

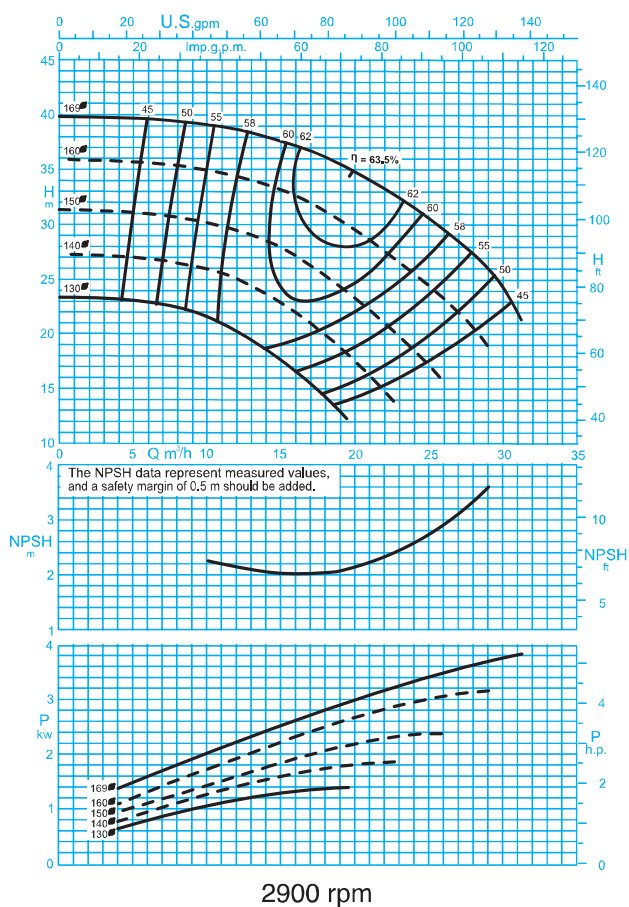
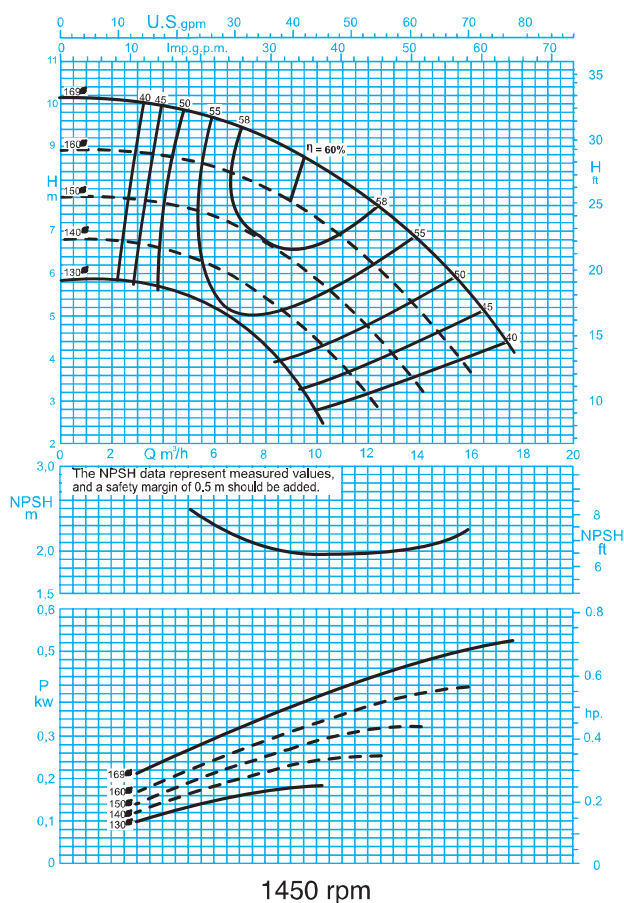


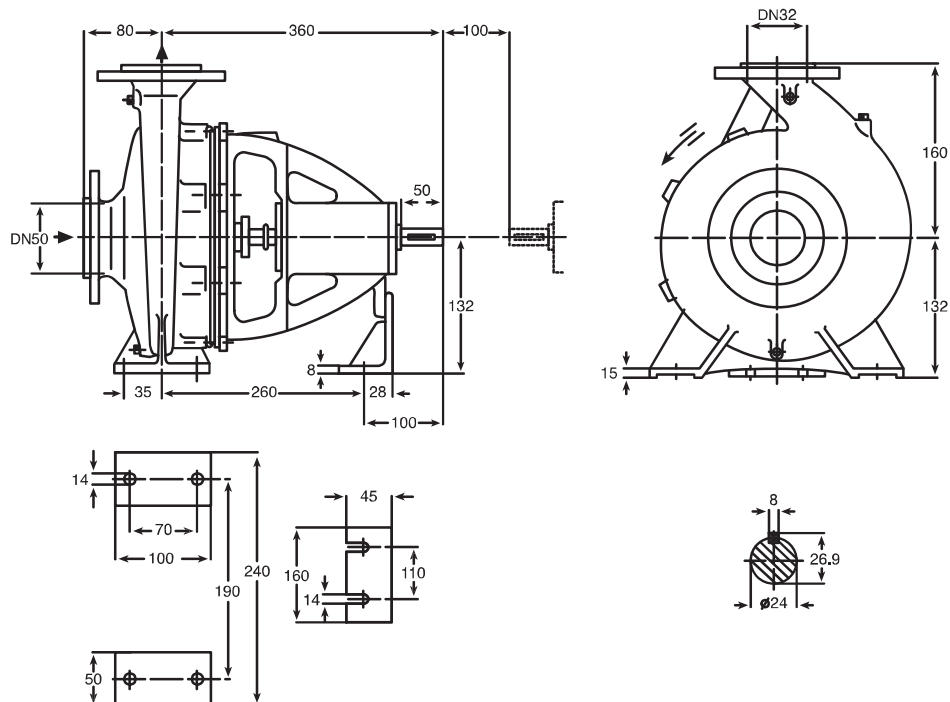
GENERAL SPECIFICATIONS OF CENTRIFUGAL PUMPS

Output size : 32 to 300 mm
Capacity : 5 to 1650 m³/h
Head : 5 to 90 m
Operating temperature with
soft packed stuffing box : from -50°C to 110°C
Operating temperature with
mechanical seal : from -50°C to 140°C

Material :

Shaft : Steel Ck 45
Impeller : Cast - Iron GG - 25
Casing : Cast - Iron GG - 25
Material are changeable on request.





RPM 1450	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	6	8	10	12	14		Inlet	outlet	Power ☆		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	9.6	9.2	8.5	7.7	6.6	169	50	32	0.75	1	2.2	**	***
	8.5	8	7.2	6.2	5	160			0.55	0.75	1.7		
	7.3	6.7	5.8	4.6	-	150			0.55	0.75	1.7		
	6.2	5.4	4.3	-	-	140			0.37	0.5	1.1		

RPM 2900	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	10	15	20	25	28		Inlet	outlet	Power ☆		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	39	37	34	30	27	169	50	32	5.5	7.5	11.6	**	***
	35	33	29	24	20	160			4	5.5	8.7		
	30	27	23	17	-	150			3	4	6.6		
	25	23	17	-	-	140			3	4	6.6		

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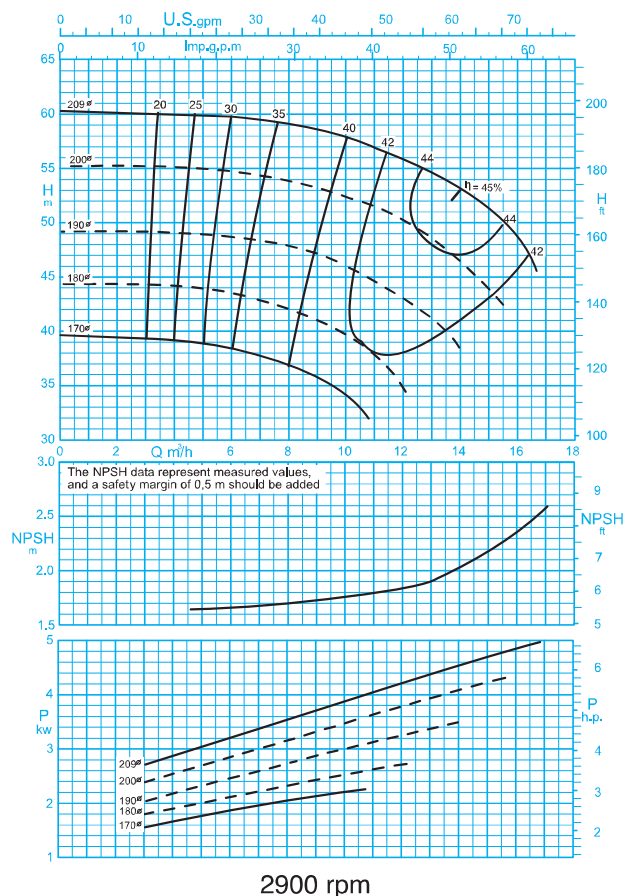
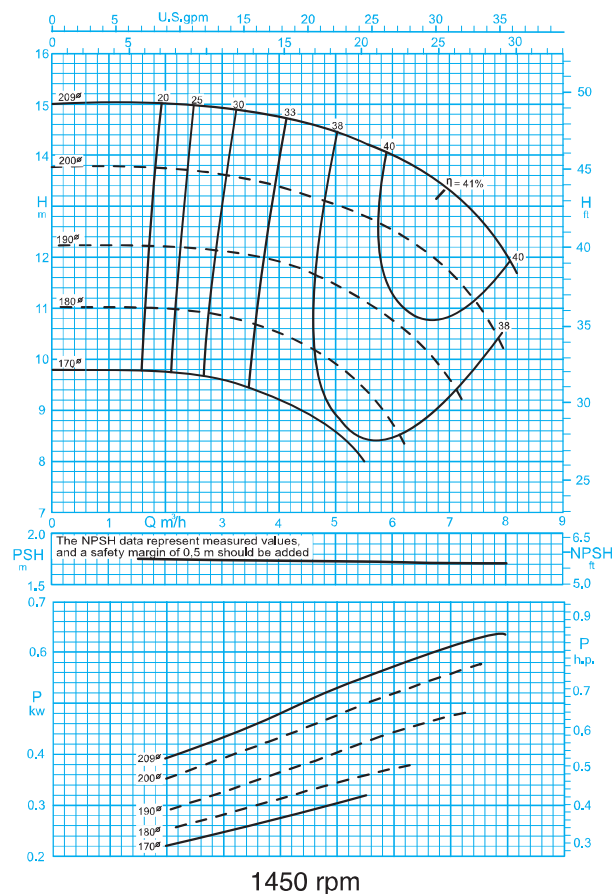


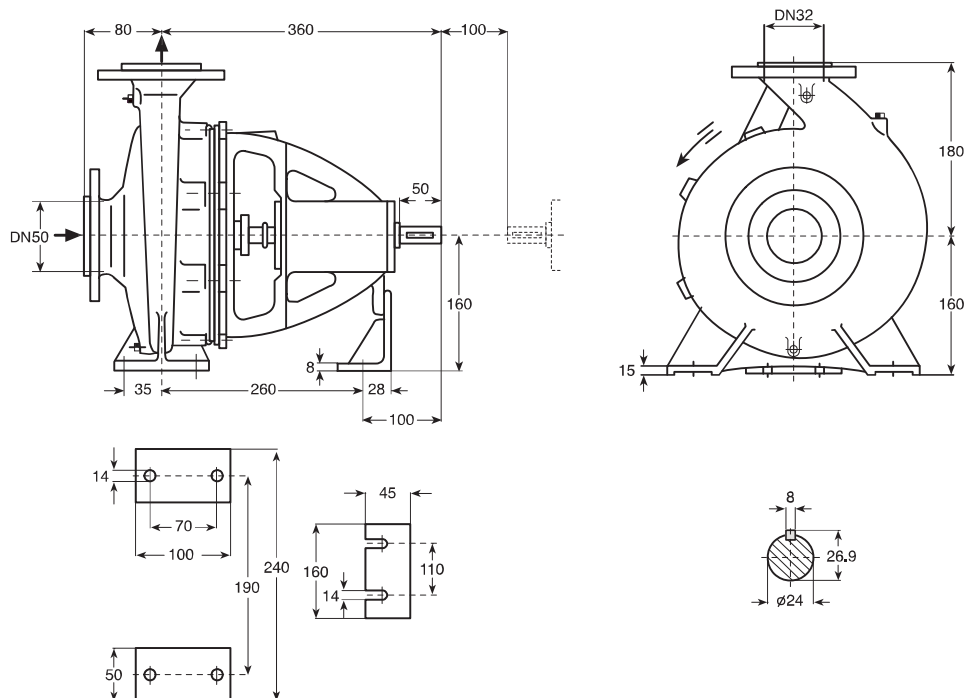
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Material :

Shaft : Steel Ck 45
Impeller : Cast - Iron GG - 25
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Material are changeable on request.





RPM 1450	Capacity (m³/h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	4	5	6	7	8		Inlet	outlet	Power 		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	14.7	14.4	14	13.2	12	209	50	32	0.75	1	2.2		
	13.4	13.1	12.5	11.8	10.4	200			0.75	1	2.2		
	12	11.6	11	9.8	-	190			0.55	0.75	1.7		
	10.6	10	9	-	-	180			0.55	0.75	1.7		

RPM 2900	Capacity (m³/h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	8	10	12	14	16		Inlet	outlet	Power 		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	59	57.5	56	53	48	209	50	32	7.5	10	15.7		
	54	52.5	50	46.5	-	200			5.5	7.5	11.6		
	47.5	46	43	38	-	190			4	5.5	8.7		
	42	39.5	35	-	-	180			4	5.5	8.7		

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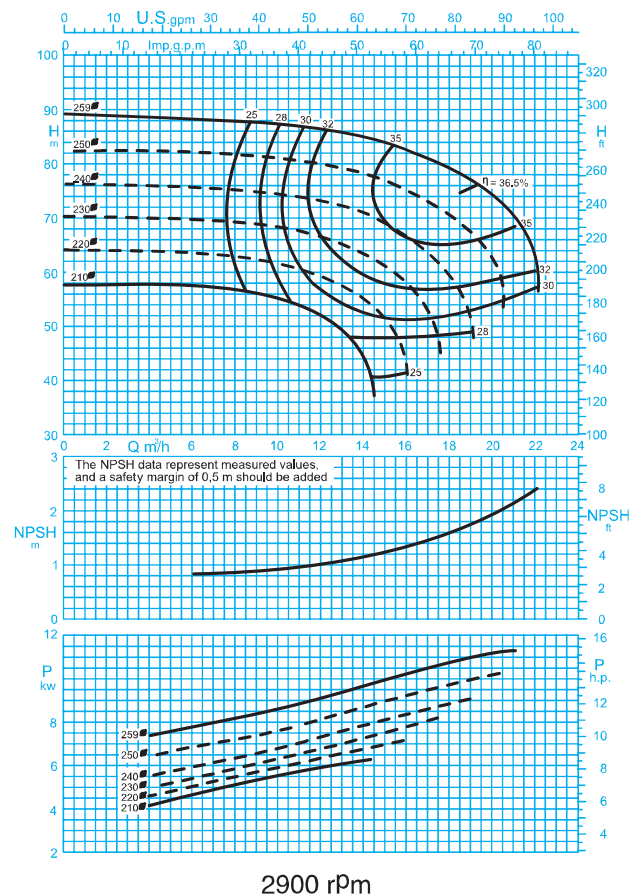
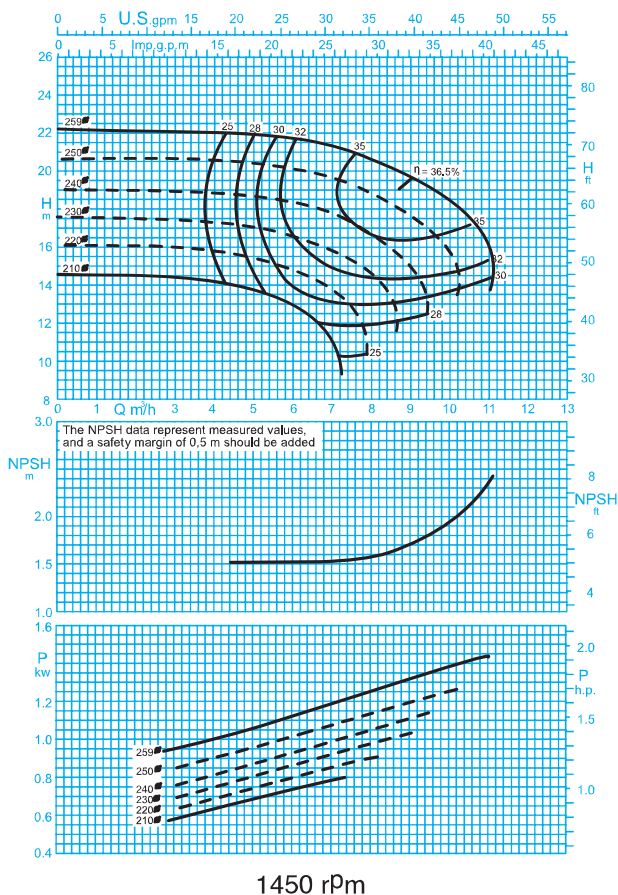
GENERAL SPECIFICATIONS OF CENTRIFUGAL PUMPS

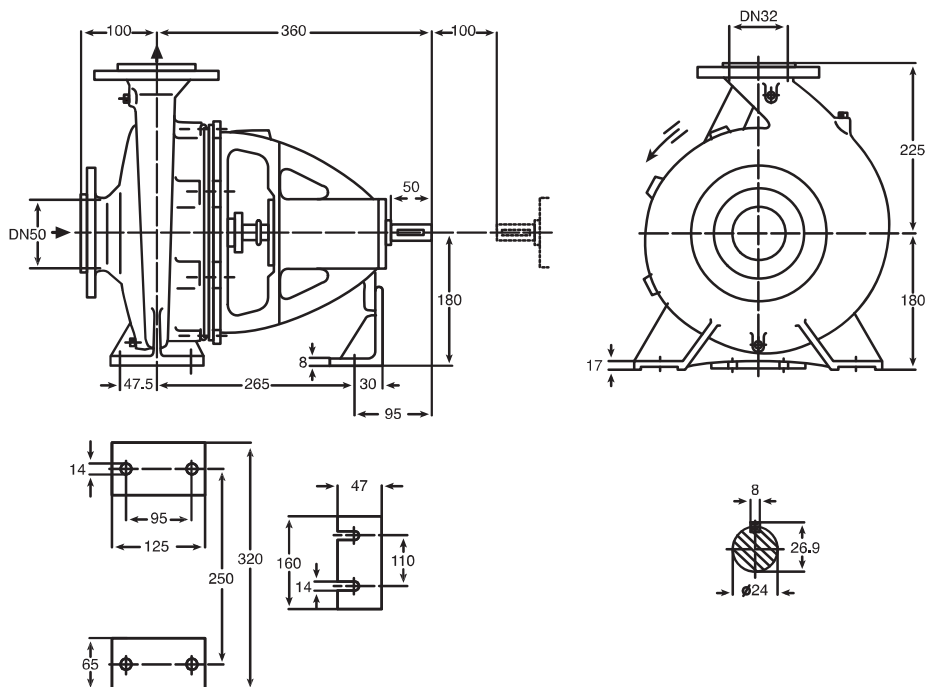
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Material :

Shaft : Steel Ck 45
Impeller : Cast - Iron GG - 25
Casing : Cast - Iron GG - 25

Material are changeable on request.





RPM 1450	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	6	8	9	10	11		Inlet	outlet	Power		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	21.5	20.5	19.5	18	14	259	50	32	2.2	3	5.2	**	***
	20	18.5	17	15	-	250			1.5	2	4		
	18	16.5	14.5	-	-	240			1.5	2	4		
	16.5	14	-	-	-	230			1.5	2	4		

RPM 2900	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	12	16	18	20	22		Inlet	outlet	Power		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	86	82	78	73	59	259	50	32	15	20	29.2	**	***
	80	75	70	60	-	250			15	20	29.2		
	73	66	58	-	-	240			11	15	22		
	66	57	-	-	-	230			11	15	22		

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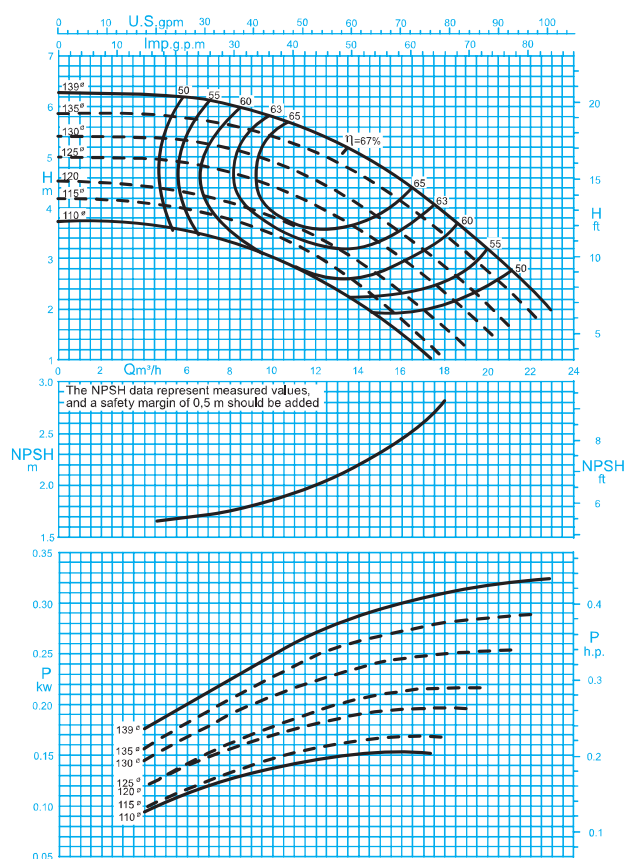
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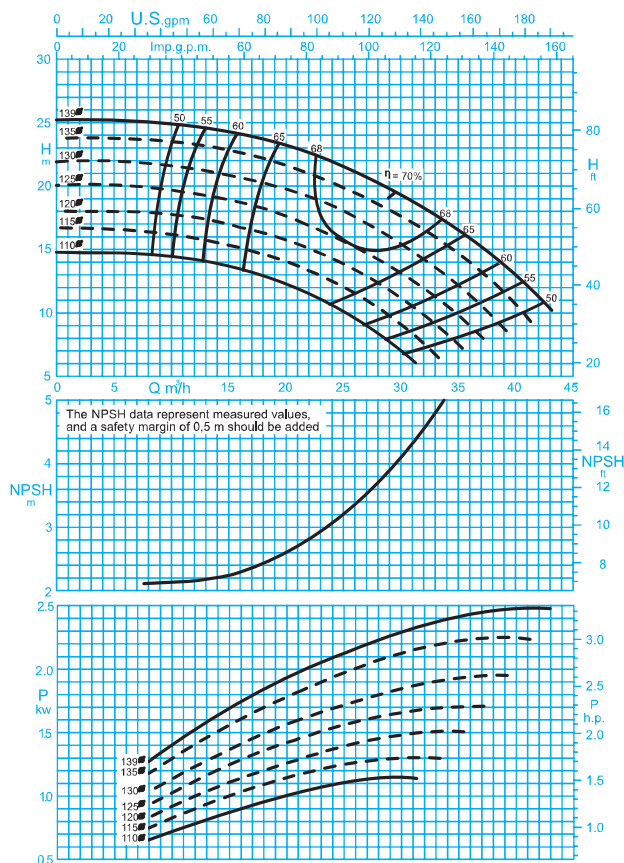
Material :

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Impeller : Cast - Iron GG - 25
Casing : Cast - Iron GG - 25

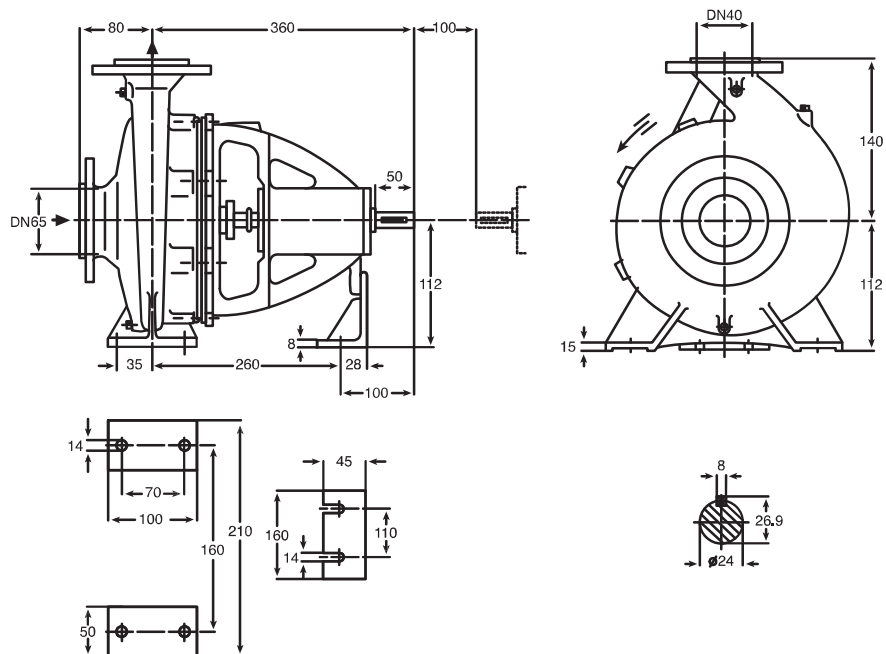
Material are changeable on request.



1450 rpm



2900 rpm



RPM 1450	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	6	10	14	18	20		Inlet	outlet	Power *		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	6.2	5.8	5	3.9	3.2	139	65	40	0.37	0.5	1.06	**	***
	5.8	5.4	4.6	3.5	2.7	135			0.37	0.5	1.06		
	5.3	4.8	4	2.8	-	130			0.37	0.5	1.06		
	4.8	4.4	3.6	2.3	-	125			0.37	0.5	1.06		

RPM 2900	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	10	20	30	35	40		Inlet	outlet	Power *		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	25	23	19	16	13	139	65	40	3	4	6.6	**	***
	23.5	21.5	17.5	14.5	10.5	135			3	4	6.6		
	21.5	19.5	15.5	12	-	130			3	4	6.6		
	19.5	17.5	13	9.5	-	120			2.2	3	4.8		

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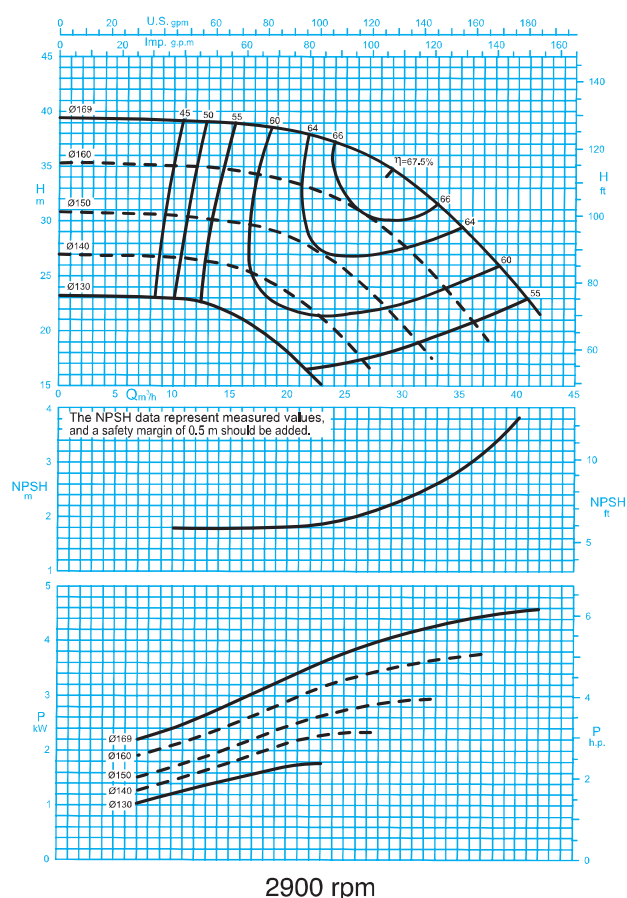
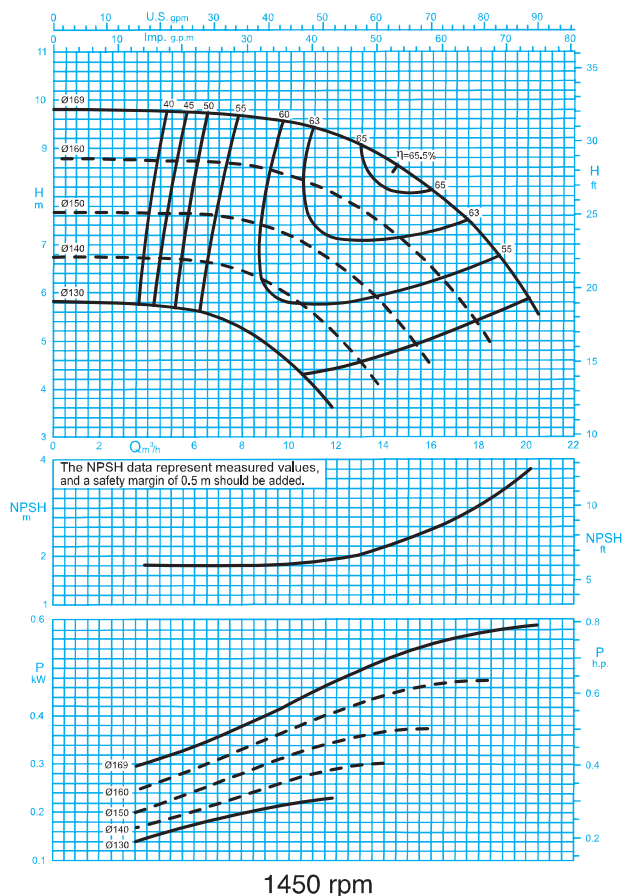
GENERAL SPECIFICATIONS OF CENTRIFUGAL PUMPS

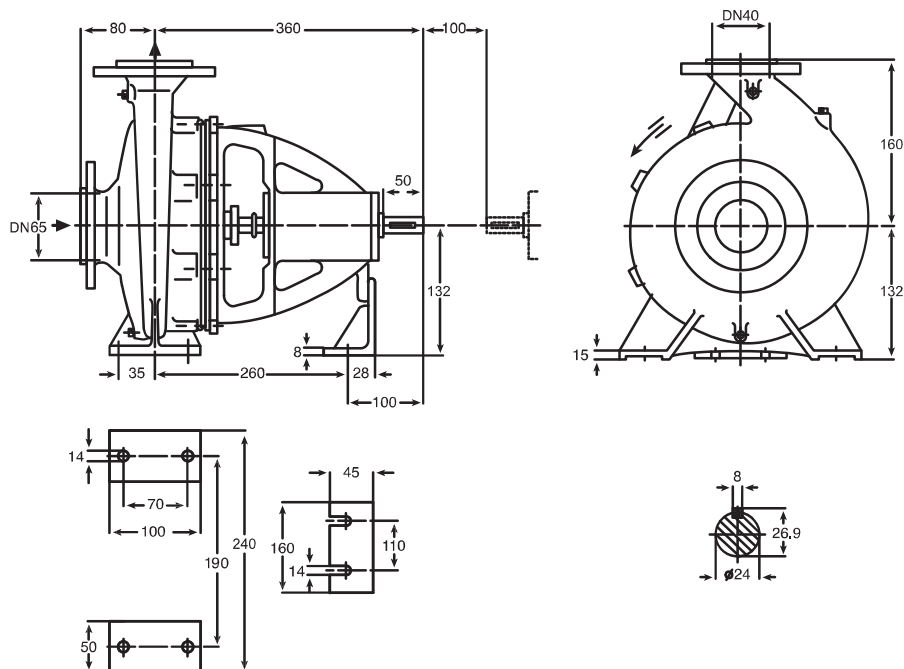
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Casing : Cast - Iron GG - 25

Material are changeable on request.





RPM 1450	Capacity (m³/h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	8	11	14	17	20		Inlet	outlet	Power 		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	9.6	9.4	8.8	7.7	5.8	169	65	40	0.75	1	2.25	 	  
	8.6	8.2	7.3	5.8	-	160			0.75	1	2.25		
	7.5	6.8	5.7	-	-	150			0.55	0.75	1.73		
	6.4	5.5	4	-	-	140			0.37	0.5	1.11		

RPM 2900	Capacity (m³/h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	15	25	30	35	40		Inlet	outlet	Power 		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	39	36.5	34	29.5	24	169	65	40	5.5	7.5	11.6	 	  
	34.5	31.5	27.5	22	-	160			5.5	7.5	11.6		
	30	25	20.5	-	-	150			4	5.5	9.15		
	26	19	-	-	-	140			3	4	6.95		

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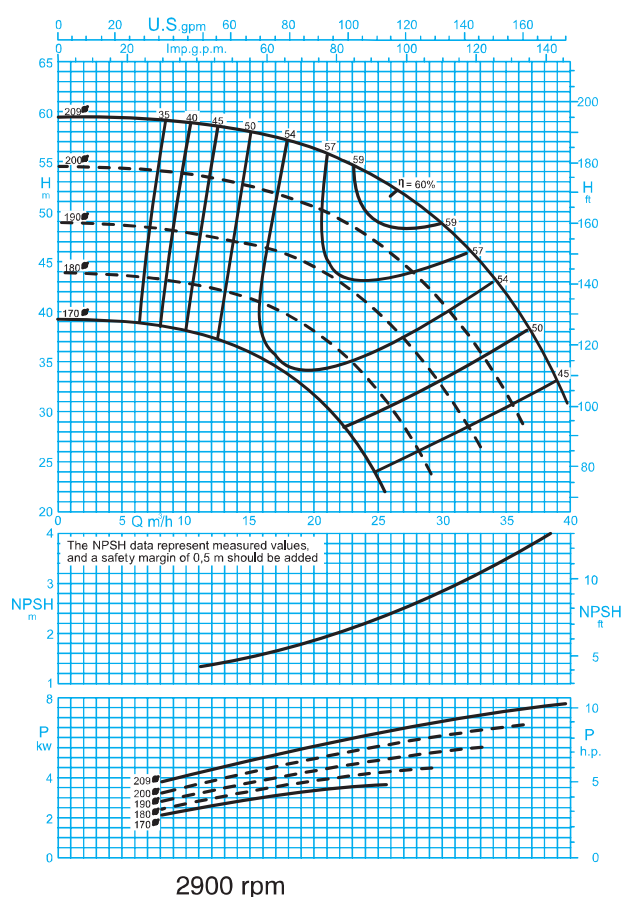
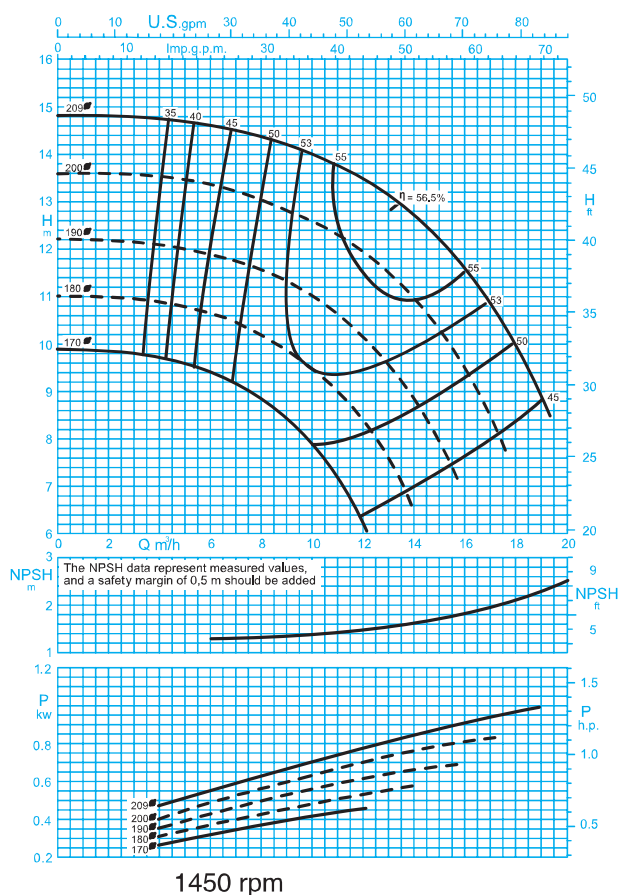
GENERAL SPECIFICATIONS OF CENTRIFUGAL PUMPS

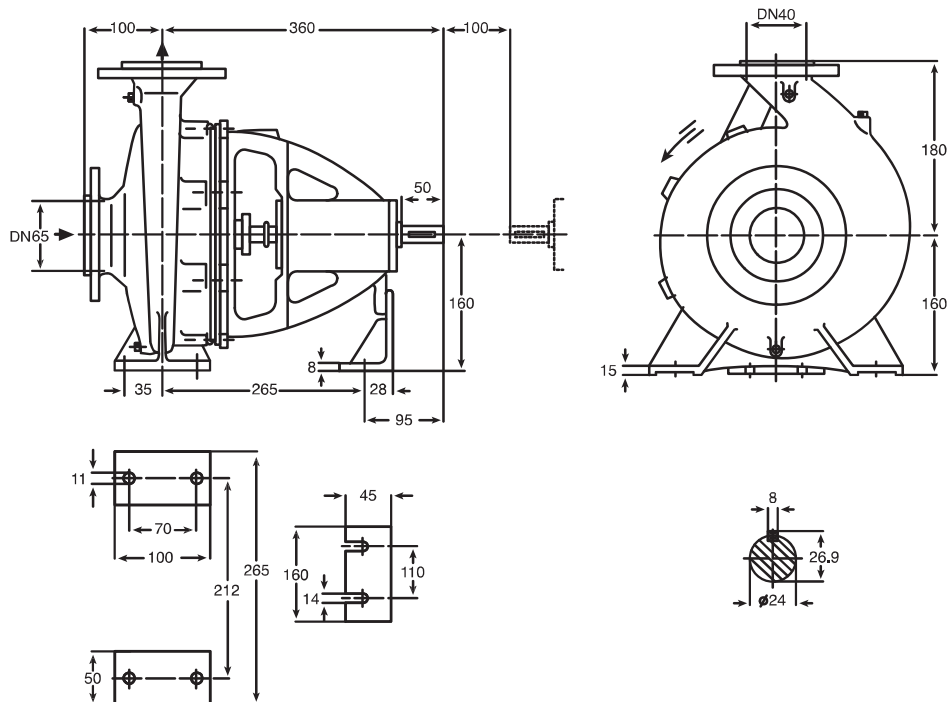
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RPM 1450	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	8	11	14	16	18		Inlet	outlet	Power *		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	14.3	13.7	12.6	11.5	9.8	209	65	40	1.5	2	4	**	***
	13	12.3	10.8	9.4	-	200			1.1	1.5	2.8		
	11.5	10.5	8.7	-	-	190			1.1	1.5	2.8		
	10.2	8.9	-	-	-	180			0.75	1	2.2		

RPM 2900	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	15	20	25	30	35		Inlet	outlet	Power *		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	57.5	56	53	48	41	209	65	40	11	15	22	**	***
	52.5	50	46	40	31	200			11	15	22		
	46.5	44	39	31.5	-	190			7.5	10	15.7		
	41	37.5	31	-	-	180			5.5	7.5	11.6		

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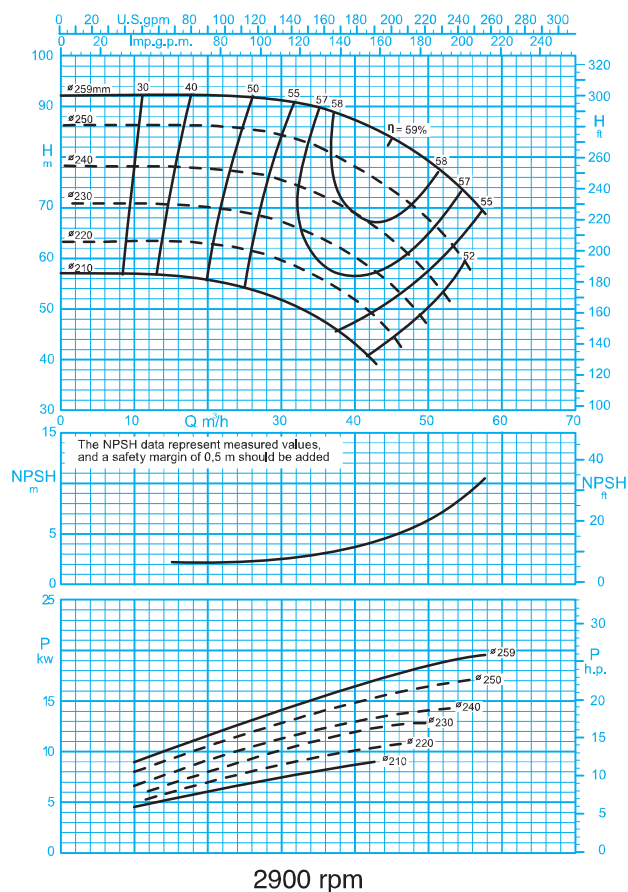
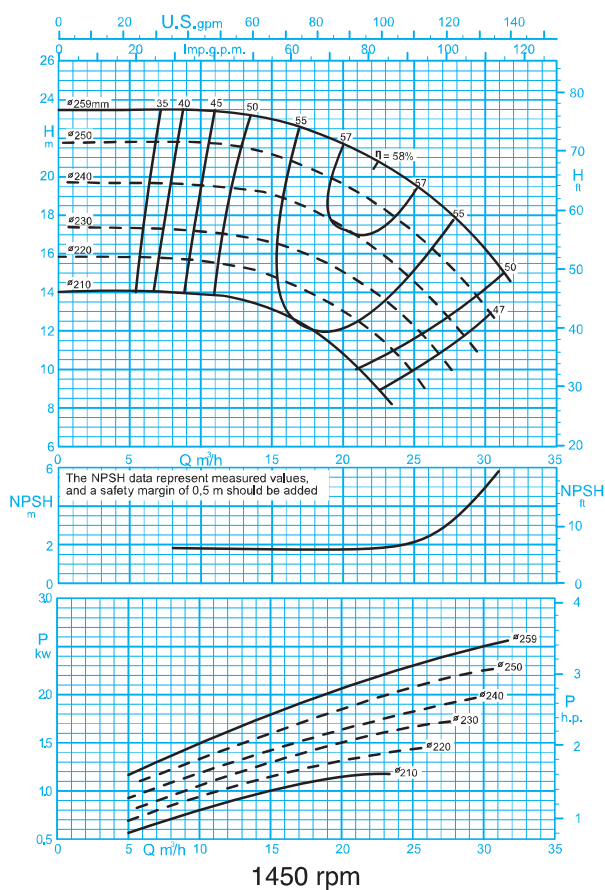
GENERAL SPECIFICATIONS OF CENTRIFUGAL PUMPS

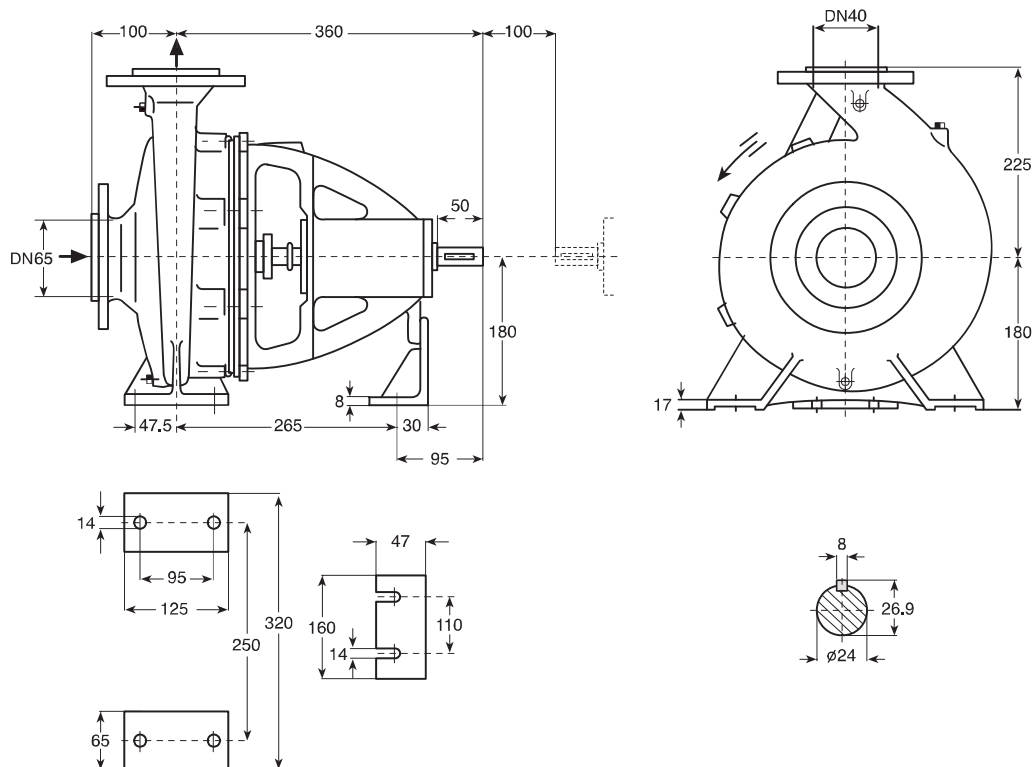
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RPM 1450	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	15	20	22	25	30		Inlet	outlet	Power		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	23	21.5	21	19.2	16	259	65	40	3	4	7.5	**	***
	21	19.5	18.5	17	13.2	250			3	4	7.5		
	19	17	16	14.2	-	240			3	4	7.5		
	16.5	15	11.5	-	-	230			2.2	3	5.2		

RPM 2900	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	25	35	40	45	55		Inlet	outlet	Power		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	92	89	86	83	72	259	65	40	22	30	39.5	**	***
	85	82	78	72	58	250			22	30	39.5		
	77	72	68	62	-	240			18.5	25	34		
	69	64	59	53	-	230			15	20	29.2		

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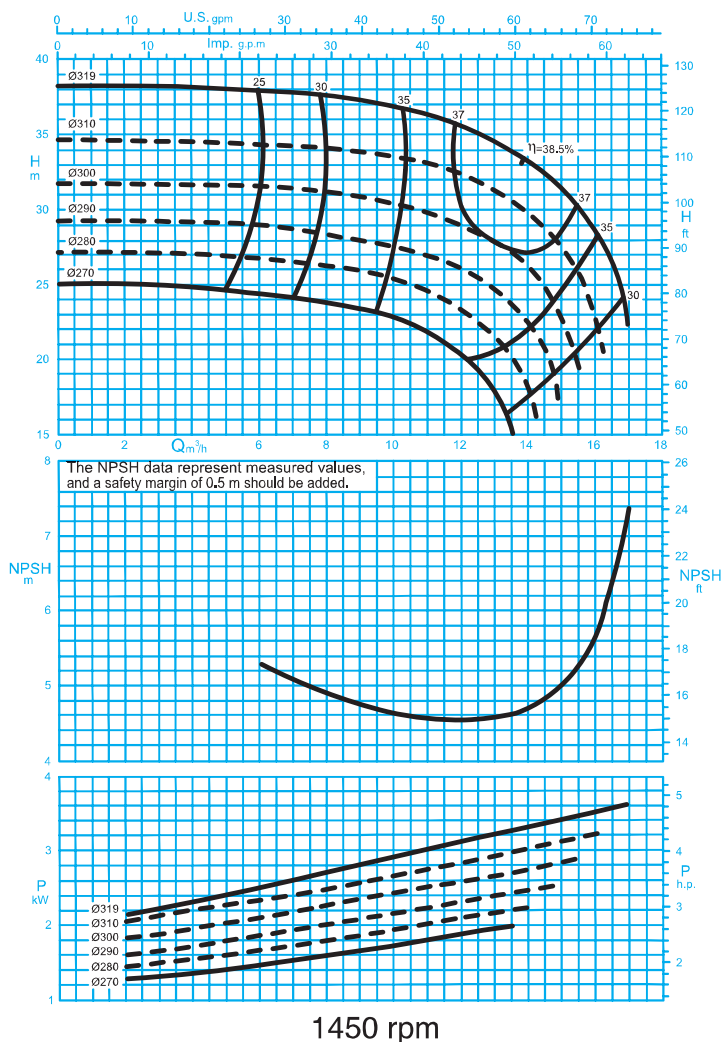
GENERAL SPECIFICATIONS OF CENTRIFUGAL PUMPS

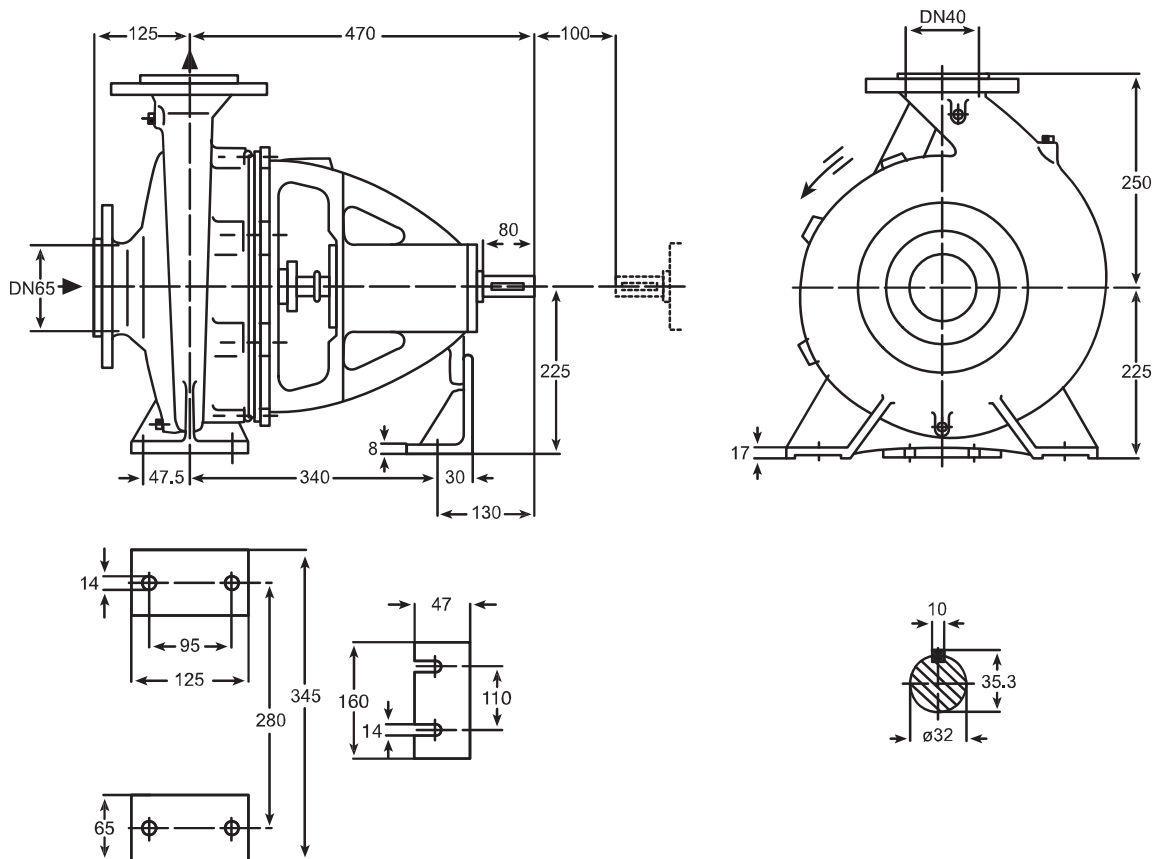
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RPM 1450	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	8	10	12	14	16		Inlet	outlet	Power		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	37.5	37	35.5	33	28.5	319	65	40	4	5.5	9.26	**	***
	34	33.5	32	30	22	310			4	5.5	9.26		
	31	30.5	29	26	-	300			4	5.5	9.26		
	28.5	27.5	26	22	-	290			3	4	7.89		

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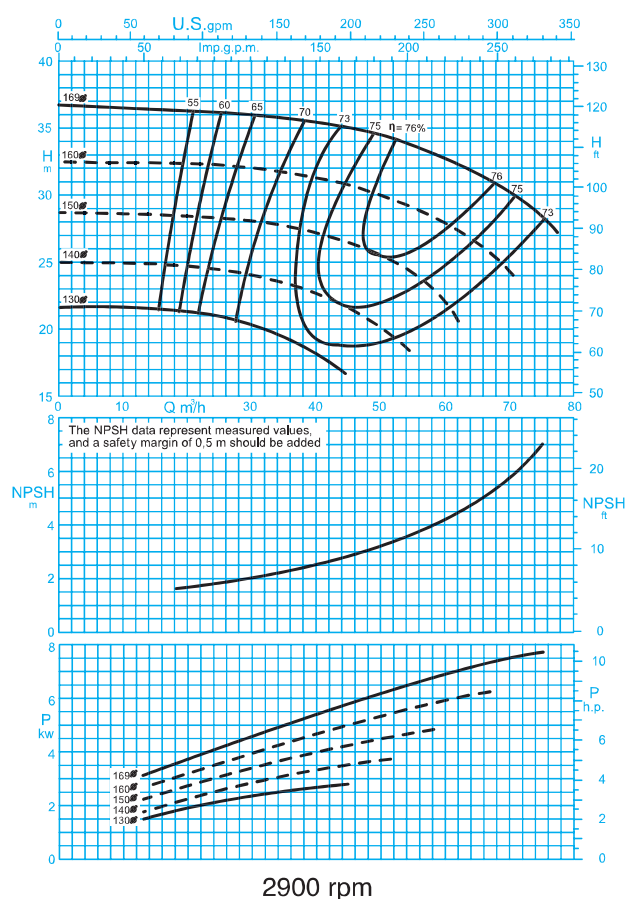
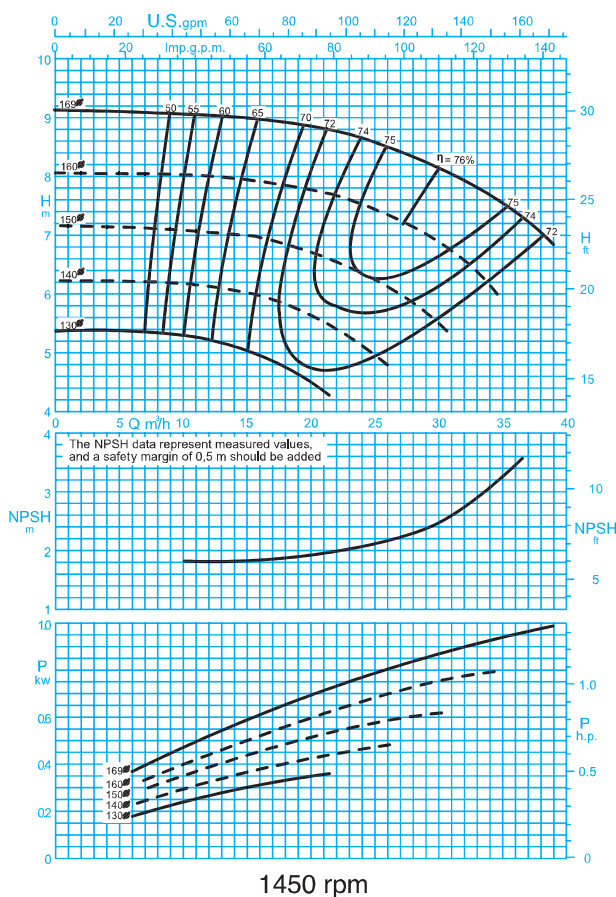
GENERAL SPECIFICATIONS OF CENTRIFUGAL PUMPS

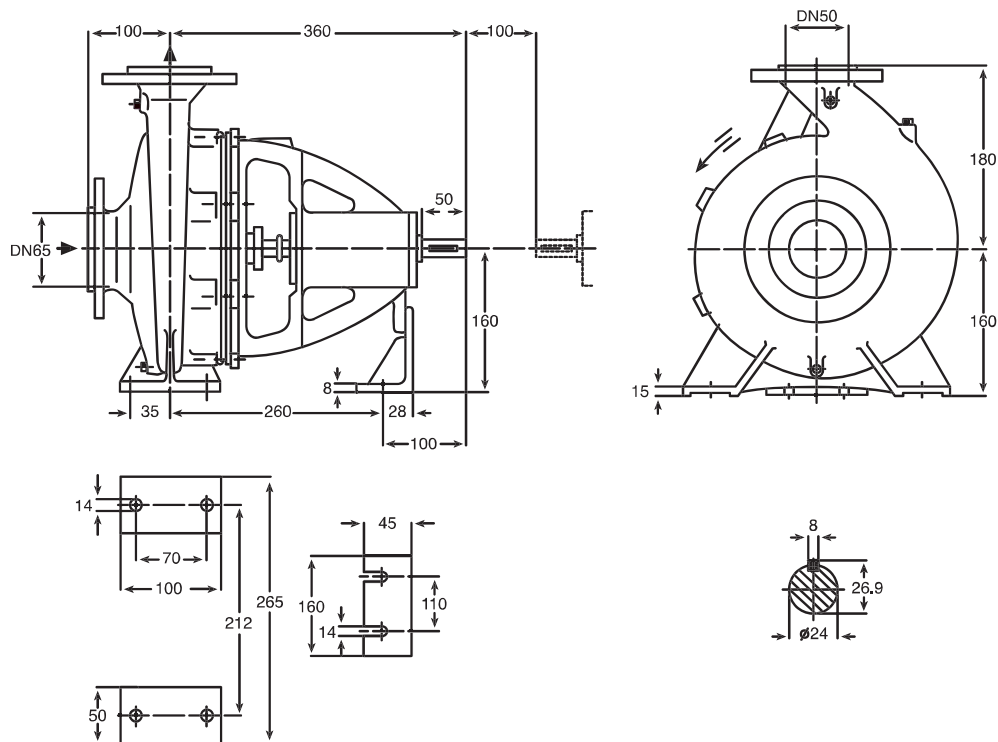
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RPM 1450	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	15	20	25	30	35		Inlet	outlet	Power *		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	9	8.8	8.6	8.1	7.5	169	65	50	1.5	2	4	**	***
	7.9	7.8	7.4	6.8	-	160			1.1	1.5	2.8		
	7	6.7	6.2	5.4	-	150			0.75	1	2.2		
	6	5.6	5	-	-	140			0.55	0.75	1.7		

RPM 2900	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	30	40	50	60	70		Inlet	outlet	Power *		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	36	35.3	34.2	32.5	30	169	65	50	11	15	22	**	***
	32	31	29.8	27.5	24	160			7.5	10	15.7		
	28	27	25	21.5	-	150			7.5	10	15.7		
	24	22.5	19.8	-	-	140			5.5	7.5	11.6		

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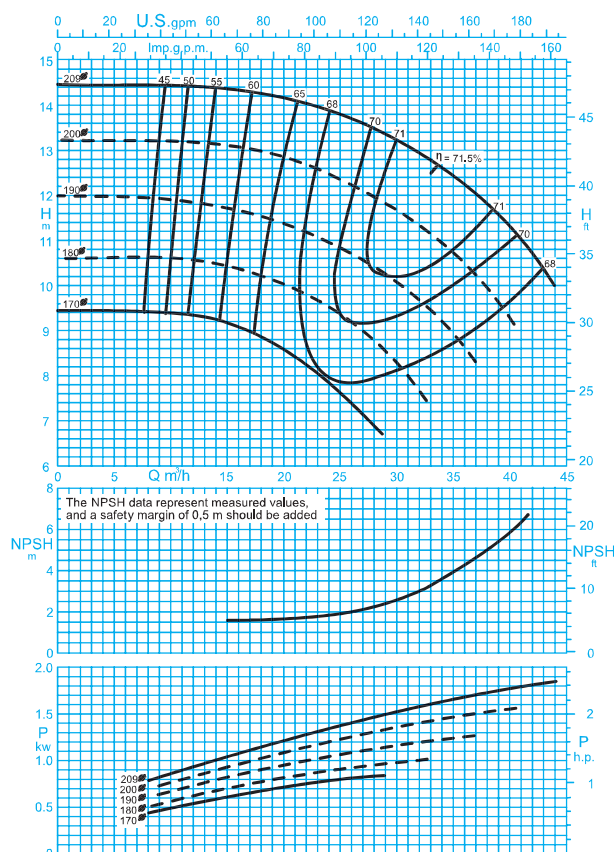
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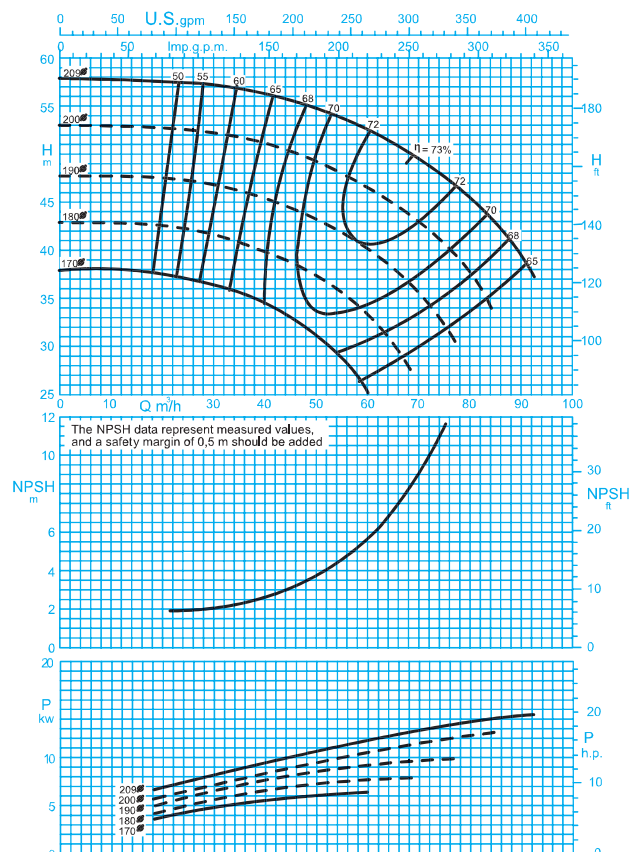
Material :

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Impeller : Cast - Iron GG - 25
Casing : Cast - Iron GG - 25

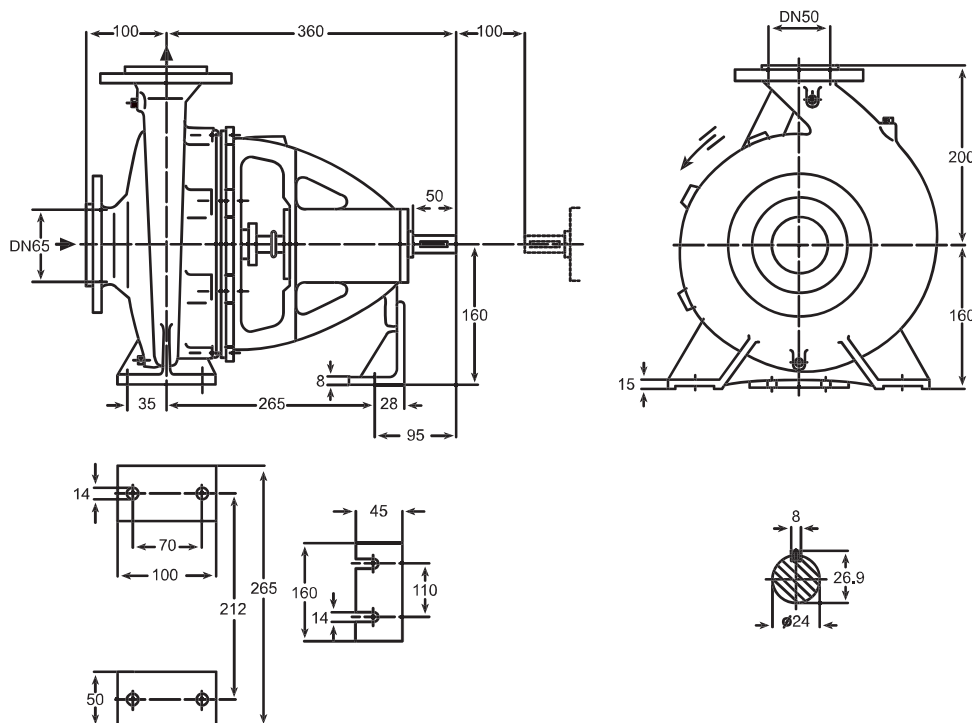
Material are changeable on request.



دور موتور ۱۴۵۰ / 1450 rpm



دور موتور ۲۹۰۰ / 2900 rpm



RPM 1450	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	20	25	30	35	40		Inlet	outlet	Power *		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	14.2	13.7	13.2	12.4	11.2	209	65	50	2.2	3	5.2	**	***
	12.8	12.3	11.6	10.6	9.2	200			2.2	3	5.2		
	11.3	10.8	10	8.8	-	190			1.5	2	4		
	10	9.3	8.2	-	-	180			1.5	2	4		

RPM 2900	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	30	45	60	75	90		Inlet	outlet	Power *		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	57	55.5	52.5	47	39	209	65	50	18.5	25	34	**	***
	52	50	46	40	-	200			15	20	29.2		
	46.5	44	39.5	31.5	-	190			11	15	22		
	41.5	38	32.5	-	-	180			11	15	22		

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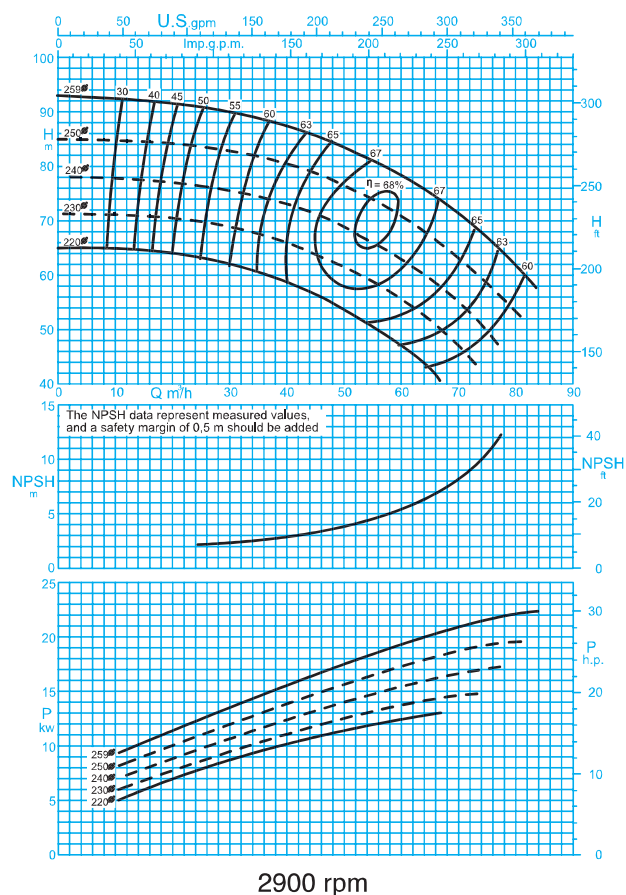
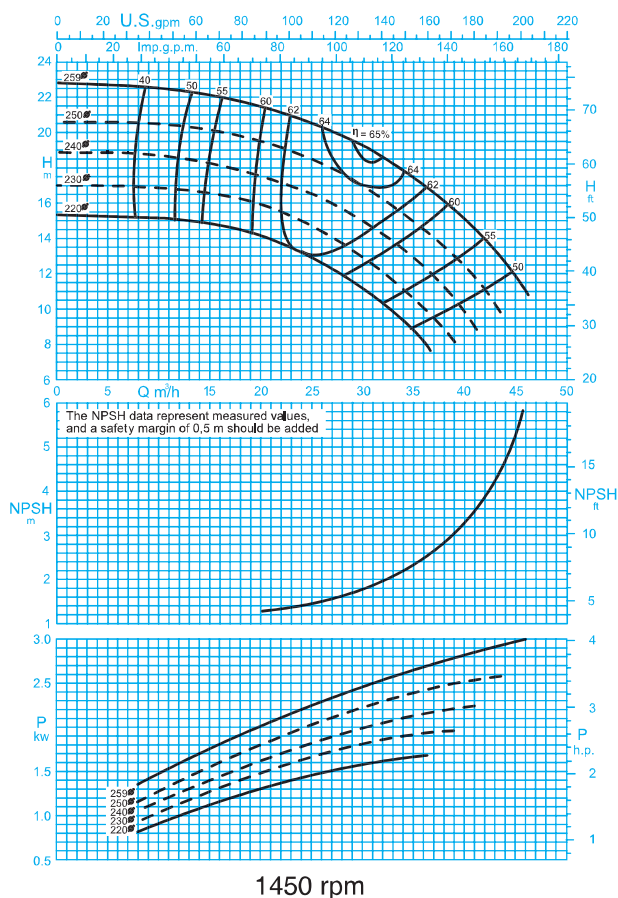
GENERAL SPECIFICATIONS OF CENTRIFUGAL PUMPS

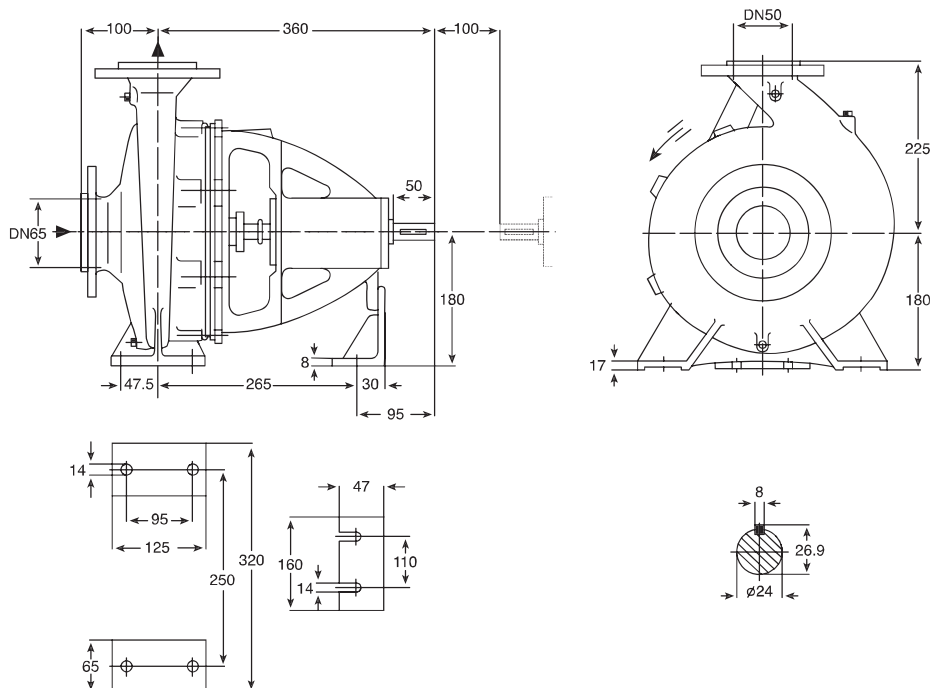
Output size : 32 to 300 mm
Capacity : 5 to 1650 m³/h
Head : 5 to 90 m
Operating temperature with
soft packed stuffing box : from -50°C to 110°C
Operating temperature with
mechanical seal : from -50°C to 140°C

Material :

Shaft : Steel Ck 45
Impeller : Cast - Iron GG - 25
Casing : Cast - Iron GG - 25

Material are changeable on request.





RPM 1450	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	20	25	30	35	40		Inlet	outlet	Power *		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	21.5	20.4	19.2	17.4	14.8	259	65	50	4	5.5	8.8	**	***
	19.5	18.5	17	14.8	12	250			3	4	7.5		
	17.5	16.5	14.7	12.6	9.6	240			3	4	7.5		
	15.5	14.5	12.8	10.5	-	230			2.2	3	5.2		

RPM 2900	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	30	45	60	70	80		Inlet	outlet	Power *		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	90	85	78	70	61	259	65	50	30	41	54	**	***
	82	78	70	62	53	250			22	30	39.5		
	75	70.3	62	54	-	240			18.5	25	34		
	69	63	55	46	-	230			18.5	25	34		

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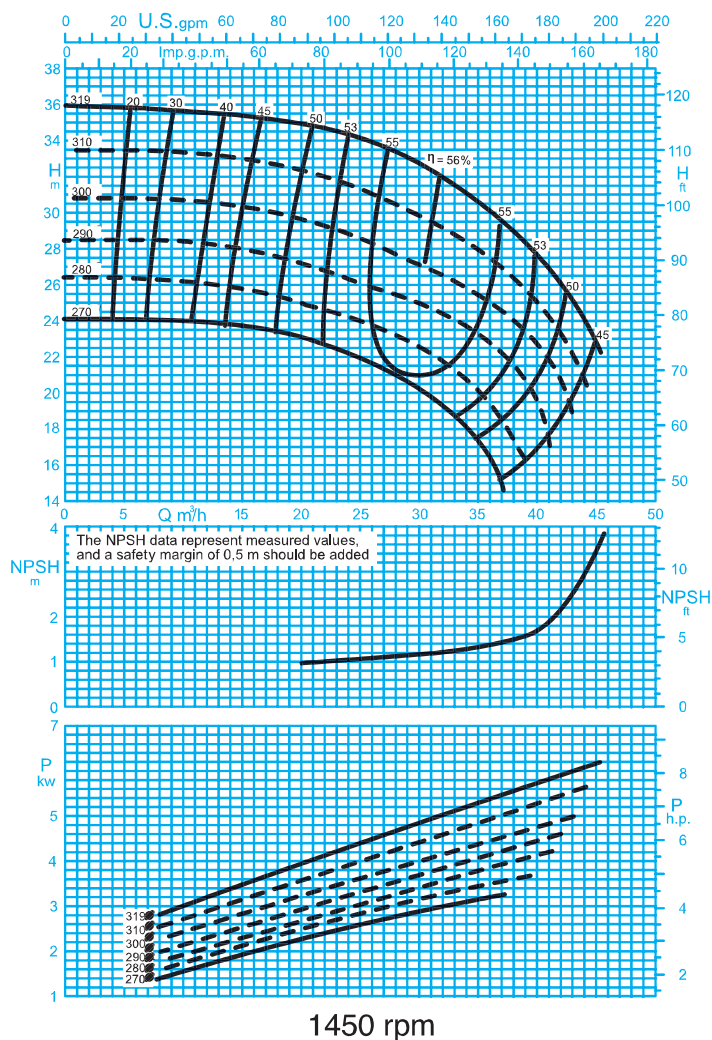


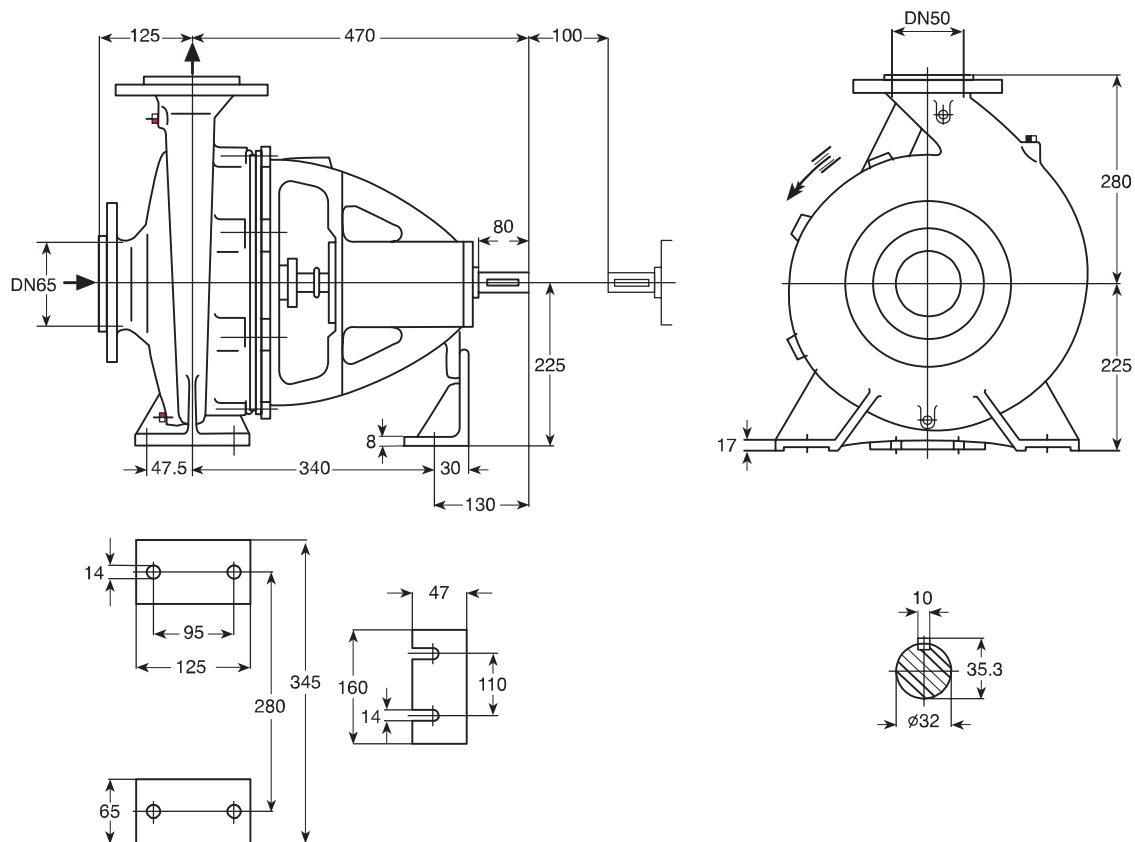
GENERAL SPECIFICATIONS OF CENTRIFUGAL PUMPS

Output size : 32 to 300 mm
Capacity : 5 to 1650 m³/h
Head : 5 to 90 m
Operating temperature with
soft packed stuffing box : from -50°C to 110°C
Operating temperature with
mechanical seal : from -50°C to 140°C

Material :

Shaft : Steel Ck 45
Impeller : Cast - Iron GG - 25
Casing : Cast - Iron GG - 25
Material are changeable on request.





RPM 1450	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	20	25	30	35	40		Inlet	outlet	Power		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	35	34	32.6	30.5	27.7	319	65	50	7.5	10	16.5	**	***
	32.5	31.3	30	28	25	310			7.5	10	16.5		
	29.5	28.5	27	25.3	22.5	300			7.5	10	16.5		
	27	26	24.9	23.1	19.3	290			5.5	7.5	12.2		



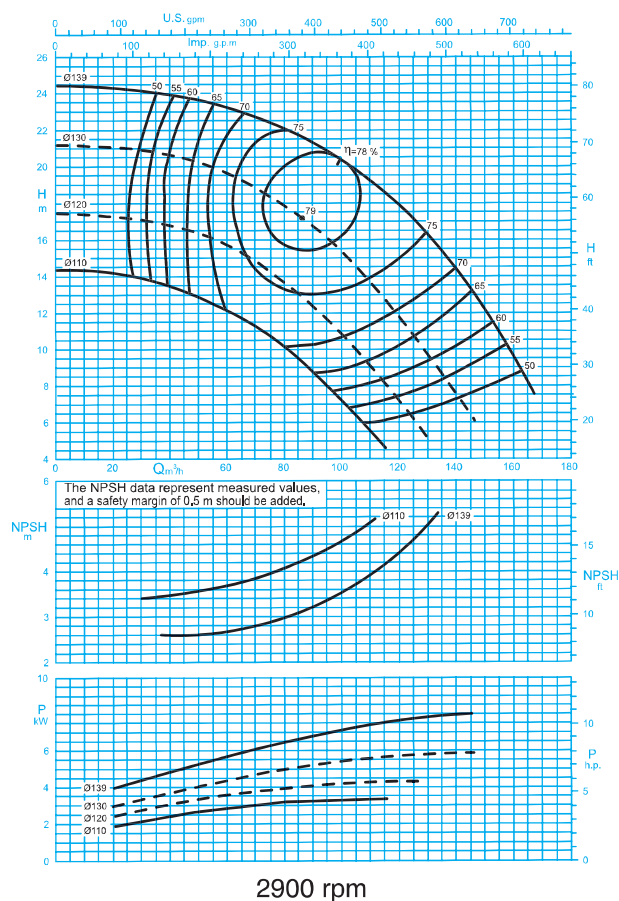
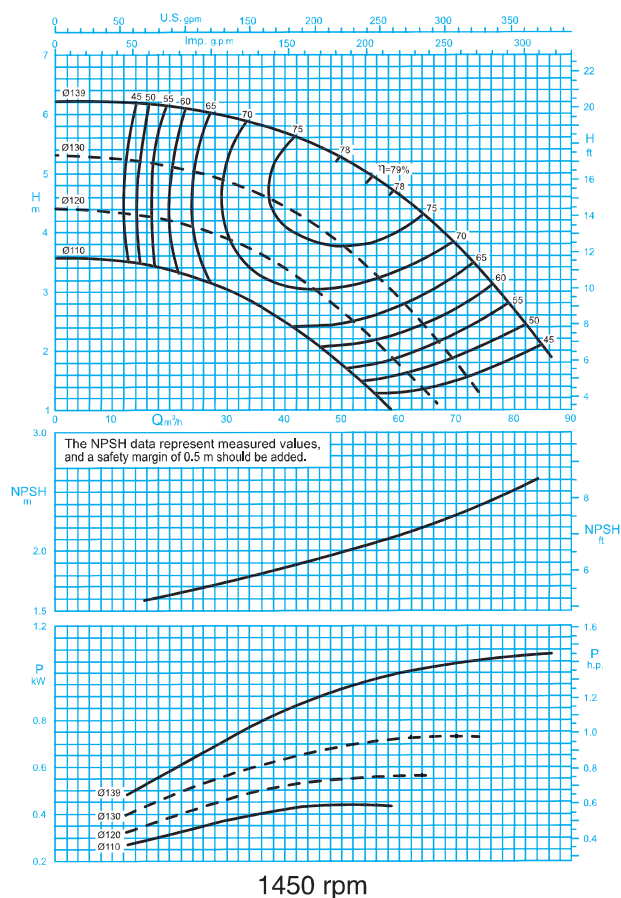
GENERAL SPECIFICATIONS OF CENTRIFUGAL PUMPS

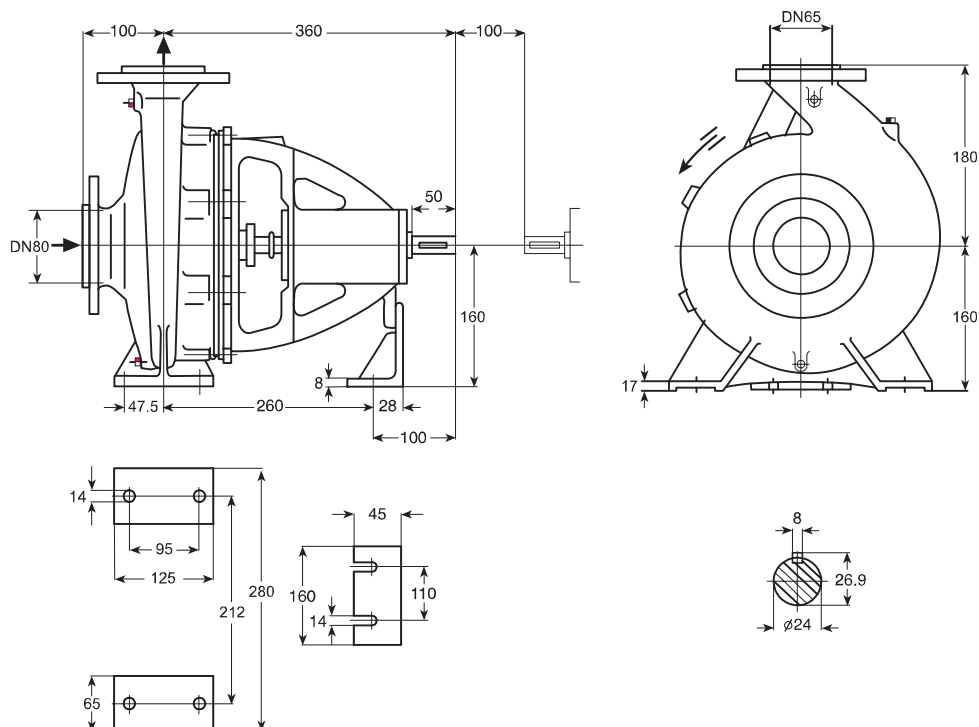
Output size : 32 to 300 mm
 Capacity : 5 to 1650 m³/h
 Head : 5 to 90 m
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 soft packed stuffing box : from -50°C to 110°C
 Operating temperature with
 mechanical seal : from -50°C to 140°C

Material :

Shaft : Steel Ck 45
 Impeller : Cast - Iron GG - 25
 Casing : Cast - Iron GG - 25

Material are changeable on request.





RPM 1450	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	30	40	50	60	70		Inlet	outlet	Power *		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	5.9	5.6	5.2	4.6	3.8	139	80	65	1.5	2	4	**	***
	4.8	4.4	3.8	2.8	1.8	130			1.1	1.5	2.85		
	3.9	3.4	2.7	1.8	-	120			0.75	1	2.25		
	3	2.4	1.8	-	-	110			0.55	0.75	1.73		

RPM 2900	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	60	80	100	120	140		Inlet	outlet	Power *		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	23	22	20.3	17.8	14.3	139	80	65	11	15	22	**	***
	19.5	17.8	15.3	11.8	7.5	130			7.5	10	15.7		
	15.7	13.6	10.7	7	-	120			5.5	7.5	11.6		
	12	10	7.2	-	-	110			4	5.5	9.15		

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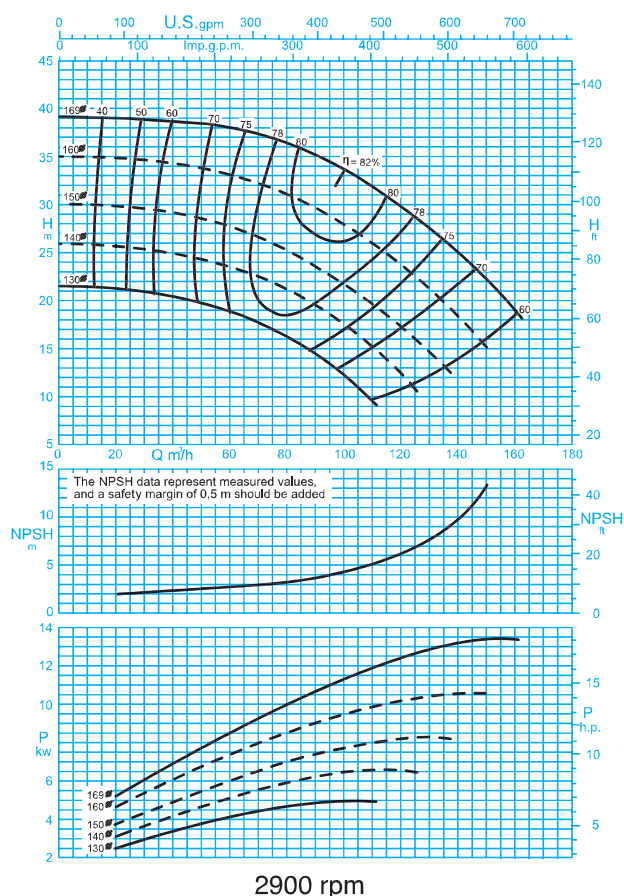
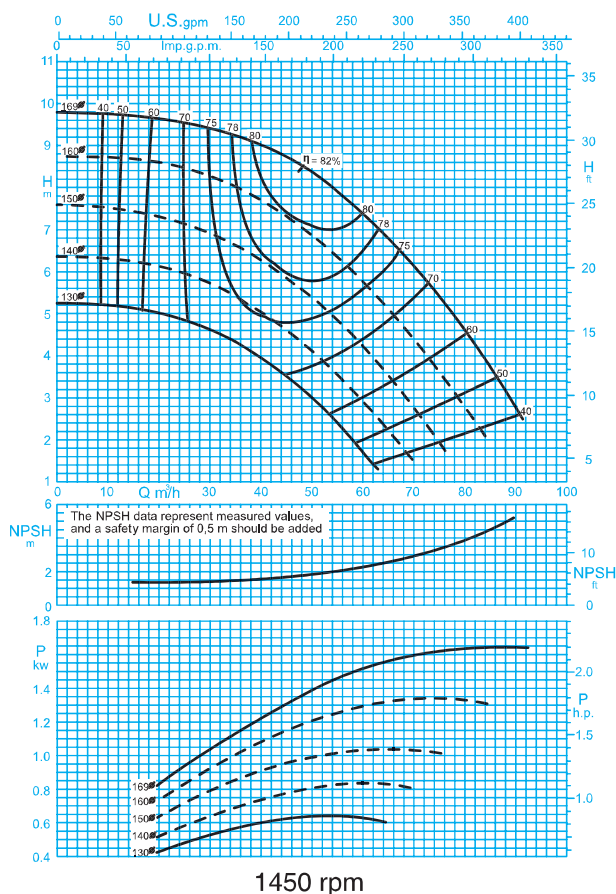
GENERAL SPECIFICATIONS OF CENTRIFUGAL PUMPS

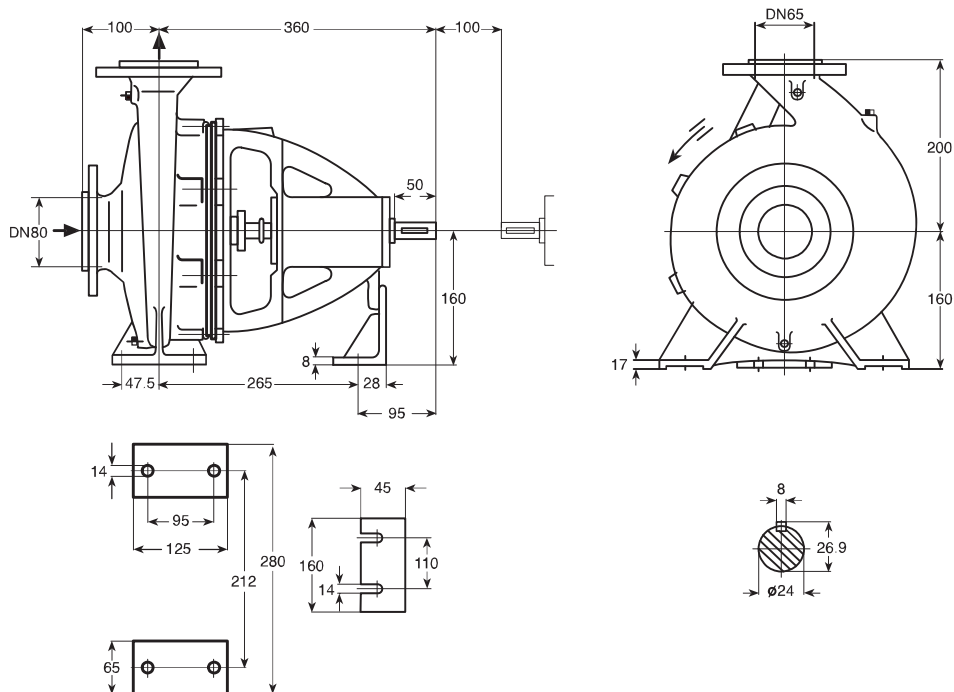
Output size : 32 to 300 mm
Capacity : 5 to 1650 m³/h
Head : 5 to 90 m
Operating temperature with
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Operating temperature with
mechanical seal : from -50°C to 140°C

Material :

Shaft : Steel Ck 45
Impeller : Cast - Iron GG - 25
Casing : Cast - Iron GG - 25

Material are changeable on request.





RPM 1450	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	20	40	50	70	80		Inlet	outlet	Power *		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	9.6	9	8.3	6.1	4.6	169	80	65	2.2	3	5.25	**	***
	8.6	7.7	6.9	4.4	2.9	160			1.5	2	4		
	7.3	6.3	5.4	2.8	-	150			1.5	2	4		
	6.1	5	4.1	-	-	140			1.1	1.5	2.85		

RPM 2900	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	40	80	100	140	160		Inlet	outlet	Power *		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	38.7	36	33.5	25	19	169	80	65	15	20	29.2	**	***
	34.3	31	28	18	-	160			15	20	29.2		
	29	25	21.5	-	-	150			11	15	22		
	25	21	17.5	-	-	140			7.5	10	15.7		

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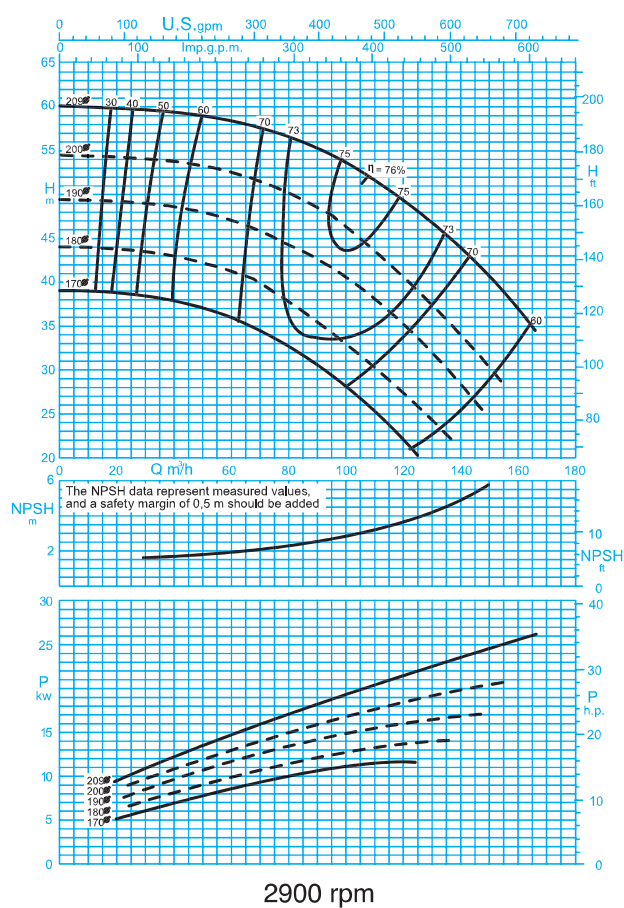
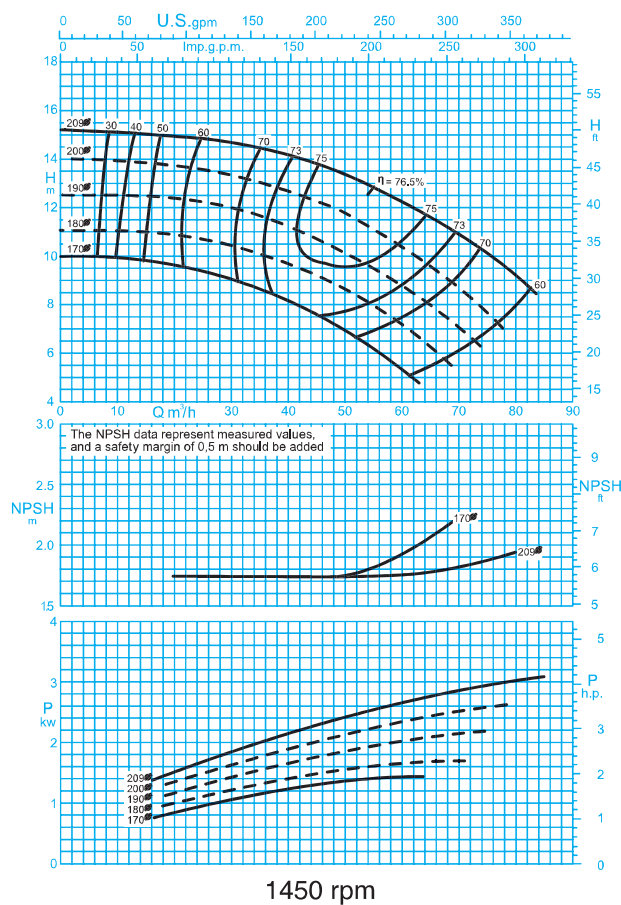


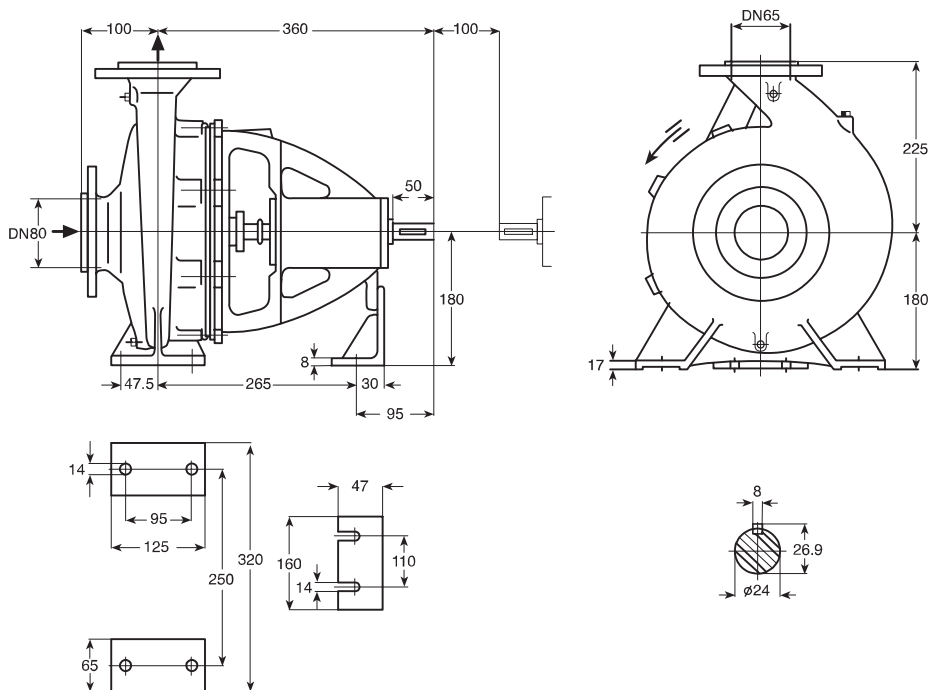
GENERAL SPECIFICATIONS OF CENTRIFUGAL PUMPS

Output size : 32 to 300 mm
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Operating temperature with
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mechanical seal : from -50°C to 140°C

Material :

Shaft : Steel Ck 45
Impeller : Cast - Iron GG - 25
Casing : Cast - Iron GG - 25
Material are changeable on request.





RPM 1450	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	20	40	50	60	70		Inlet	outlet	Power *		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	14.9	14.1	12.7	12.2	10.9	209	80	65	4	5.5	8.8	**	***
	13.7	12.7	11	10.4	8.7	200			3	4	7.5		
	12.3	9.7	9.5	8.8	7	190			3	4	7.5		
	10.8	8.1	7.9	7.2	5.4	180			2.2	3	5.25		

RPM 2900	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	40	80	110	140	160		Inlet	outlet	Power *		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	59	56	51	43.4	36.5	209	80	65	30	41	54	**	***
	53.5	50	43	33.5	-	200			22	30	39.5		
	48	44	37.5	28	-	190			22	30	39.5		
	42.5	37.5	30	-	-	180			15	20	29.2		

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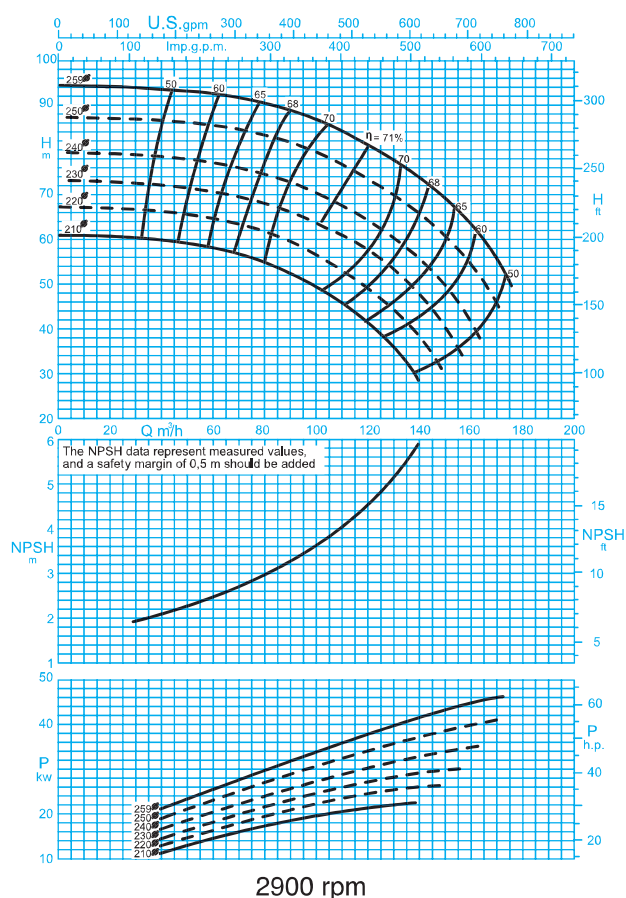
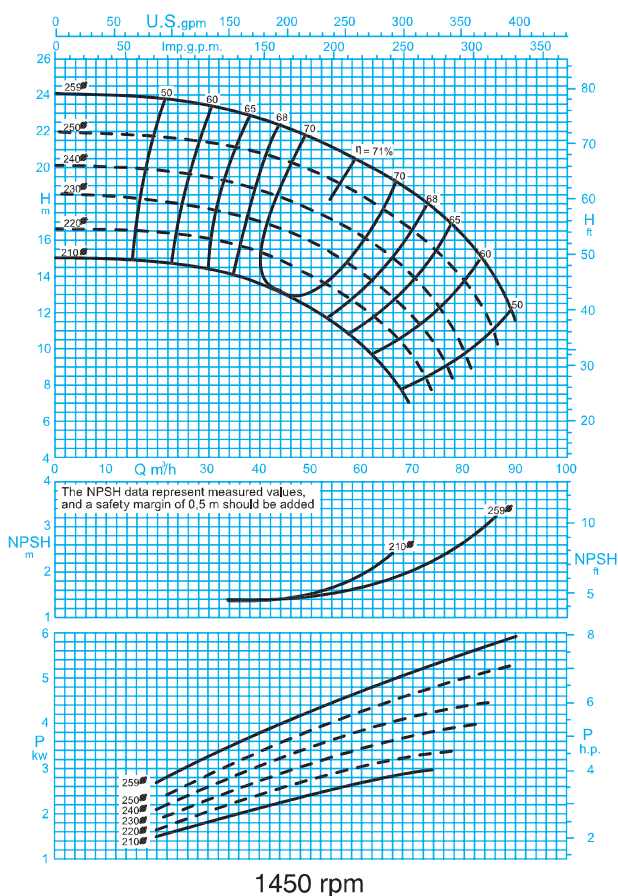
GENERAL SPECIFICATIONS OF CENTRIFUGAL PUMPS

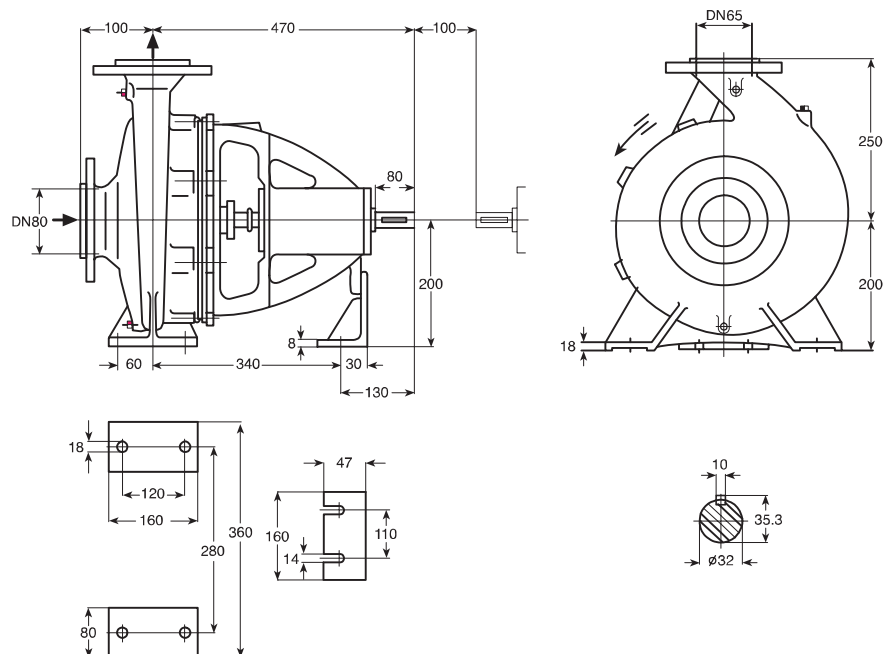
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mechanical seal : from -50°C to 140°C

Material :

Shaft : Steel Ck 45
Impeller : Cast - Iron GG - 25
Casing : Cast - Iron GG - 25

Material are changeable on request.





RPM 1450	Capacity (m³/h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	25	40	60	70	80		Inlet	outlet	Power 		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	23.6	22.6	20.2	18.5	15.9	259	80	65	7.5	10	16.5	**	***
	21.5	20.7	18.4	16.4	13.5	250			7.5	10	16.5		
	19.6	18.6	16	13.7	9.7	240			5.5	7.5	12.2		
	18	17	14	11.5	-	230			5.5	7.5	12.2		

RPM 2900	Capacity (m³/h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	40	80	120	140	160		Inlet	outlet	Power 		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	93	90	80.5	73	63	259	80	65	55	75	98	**	***
	86	83	73	65	54	250			45	61	81.5		
	78	74	64	55	41	240			45	61	81.5		
	72	68	57	47	-	230			37	50	67		

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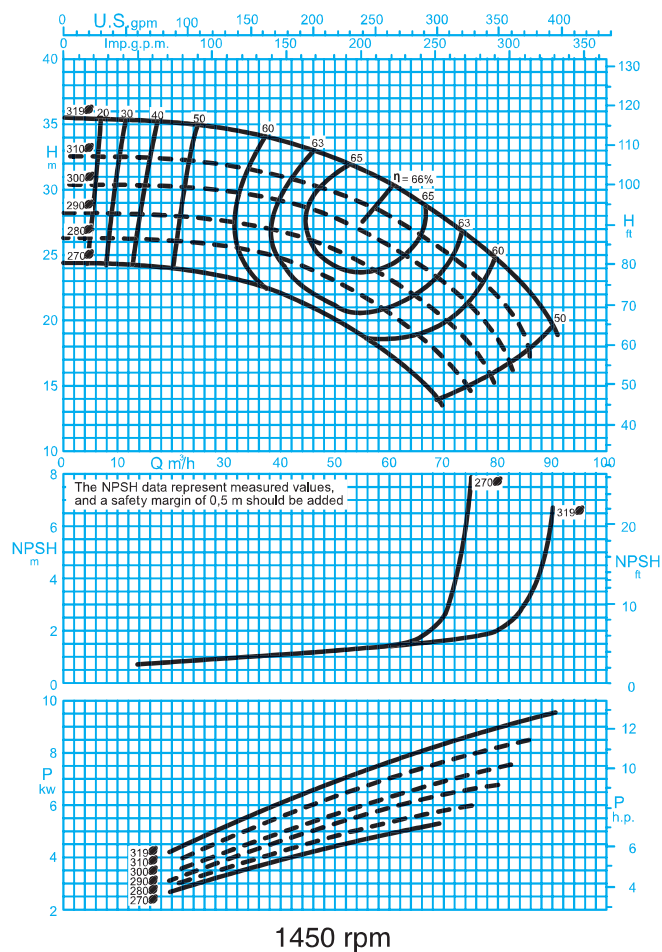


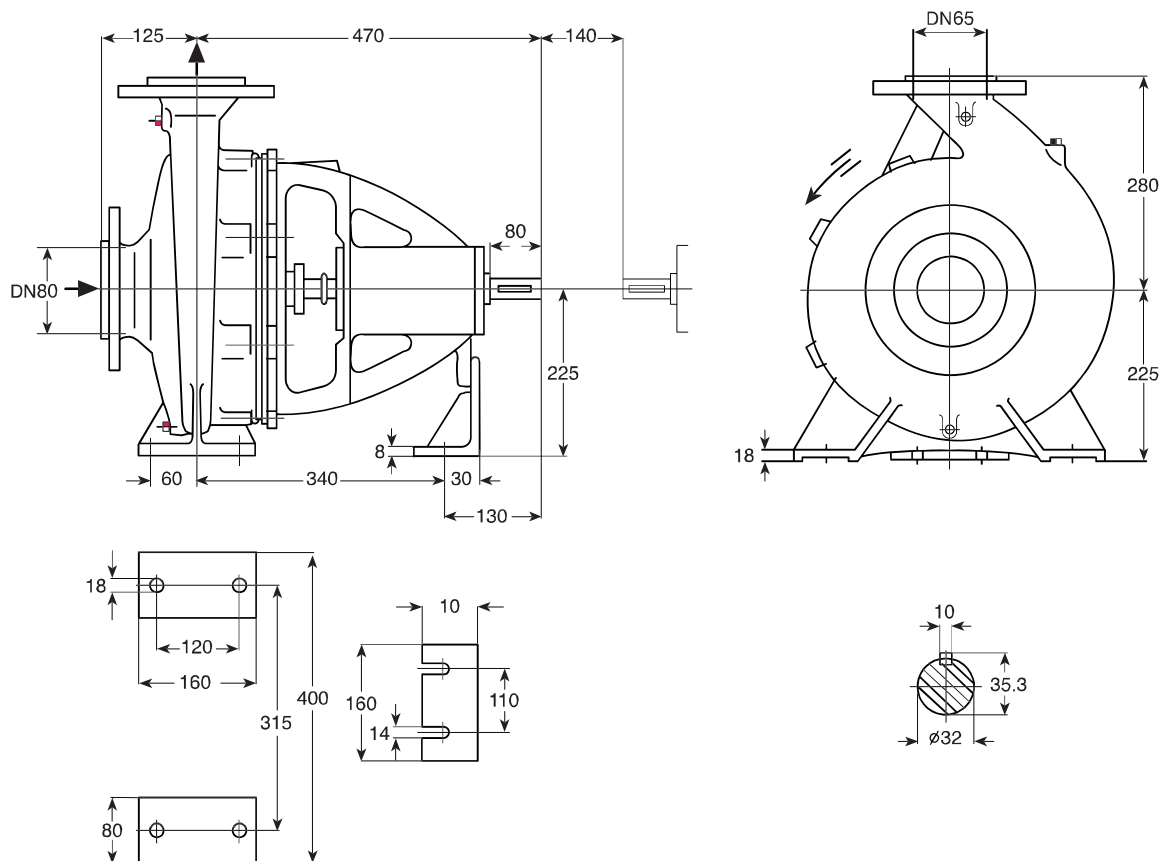
GENERAL SPECIFICATIONS OF CENTRIFUGAL PUMPS

Output size : 32 to 300 mm
Capacity : 5 to 1650 m³/h
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Operating temperature with
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Operating temperature with
mechanical seal : from -50°C to 140°C

Material :

Shaft : Steel Ck 45
Impeller : Cast - Iron GG - 25
Casing : Cast - Iron GG - 25
Material are changeable on request.





RPM 1450	Capacity (m³/h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	25	40	60	70	80		Inlet	outlet	Power *		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	35	33.5	30.5	27.5	24	319	80	65	11	15	23.8	**	***
	32	31	28	25	21.5	310			11	15	23.8		
	30	29	25.5	22.5	18	300			11	15	23.8		
	28	26.7	23	20	-	290			11	15	23.8		

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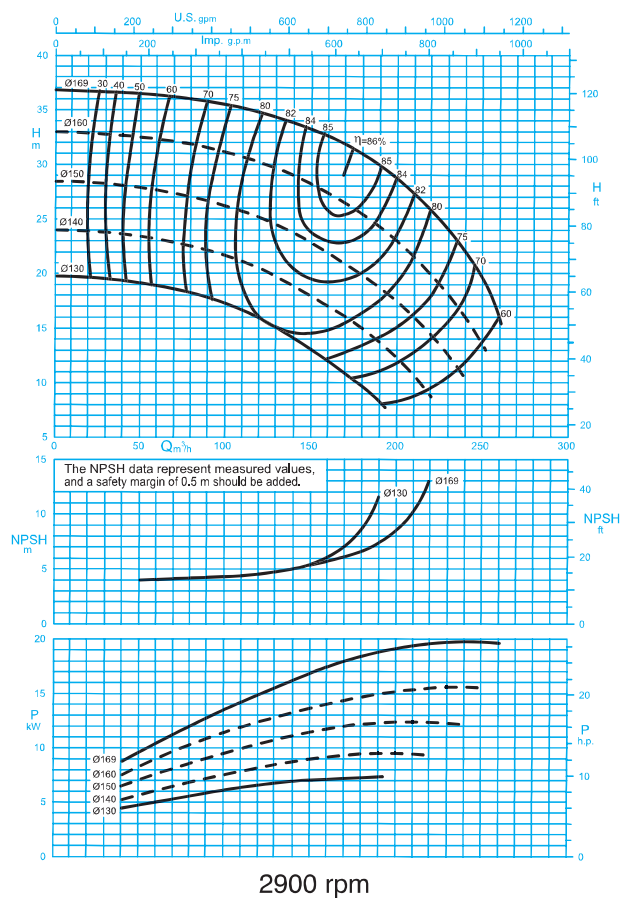
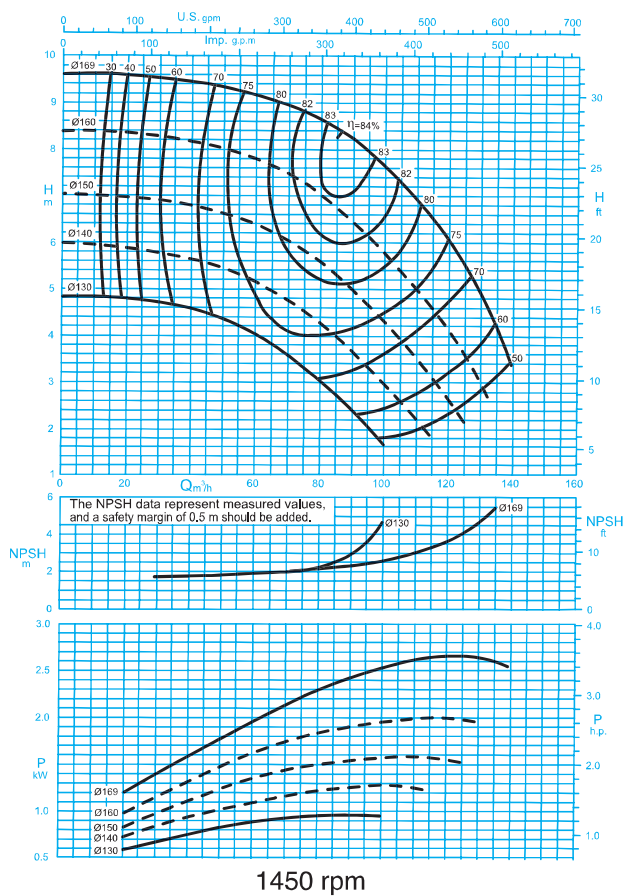
GENERAL SPECIFICATIONS OF CENTRIFUGAL PUMPS

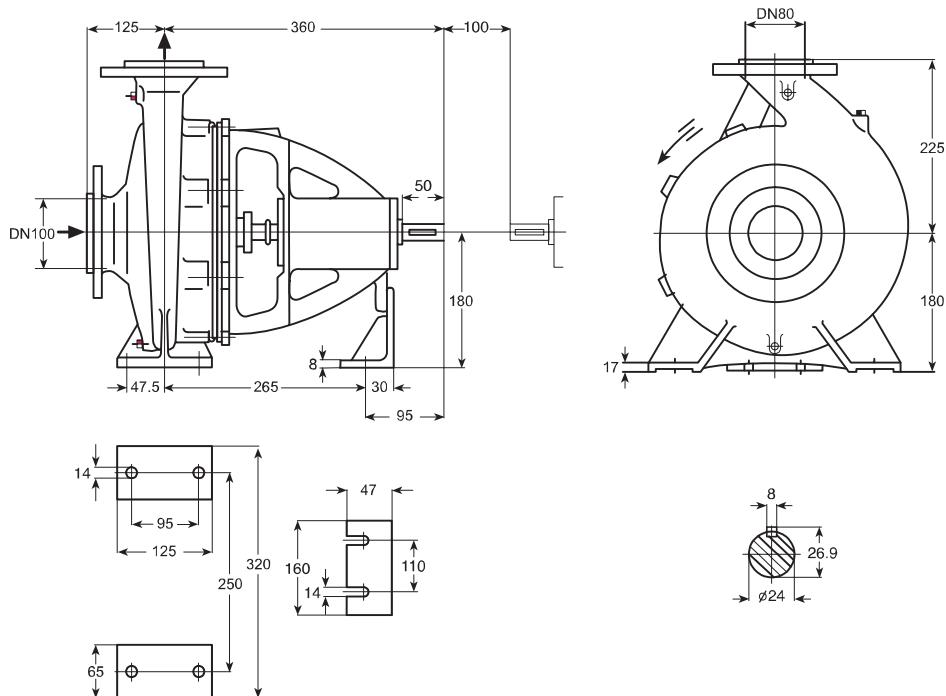
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mechanical seal : from -50°C to 140°C

Material :

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Impeller : Cast - Iron GG - 25
Casing : Cast - Iron GG - 25

Material are changeable on request.





RPM 1450	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	50	70	90	110	130		Inlet	outlet	Power *		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	9.3	8.9	8.2	6.9	4.9	169	100	80	3	4	7.89	**	***
	8	7.4	6.4	5	3	160			2.2	3	5.52		
	6.6	6	5	3.5	-	150			2.2	3	5.52		
	5.4	4.7	3.6	2.2	-	140			1.1	1.5	2.85		

RPM 2900	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	50	100	150	200	250		Inlet	outlet	Power *		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	36.3	35.4	33.1	28.5	19.2	169	100	80	22	30	39.5	**	***
	32.3	31	28.1	23	13.5	160			18.5	25	34		
	27.7	26	22.8	17.2	-	150			15	20	29.2		
	23.3	21.7	17.8	12.1	-	140			11	15	22		

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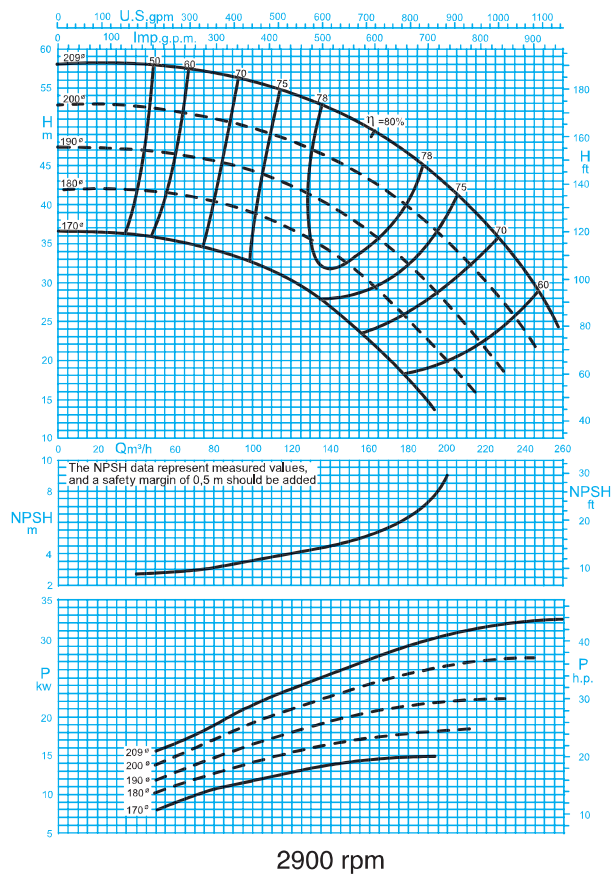
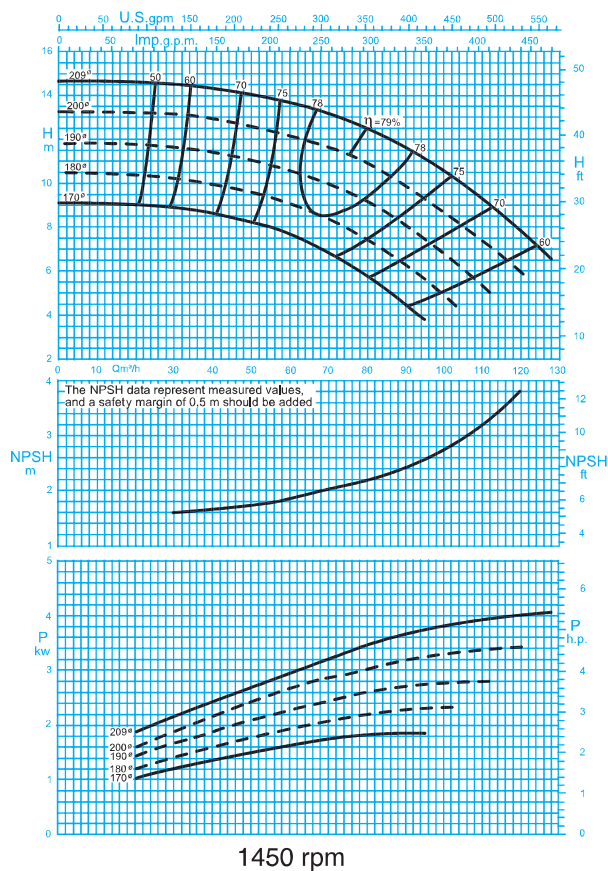


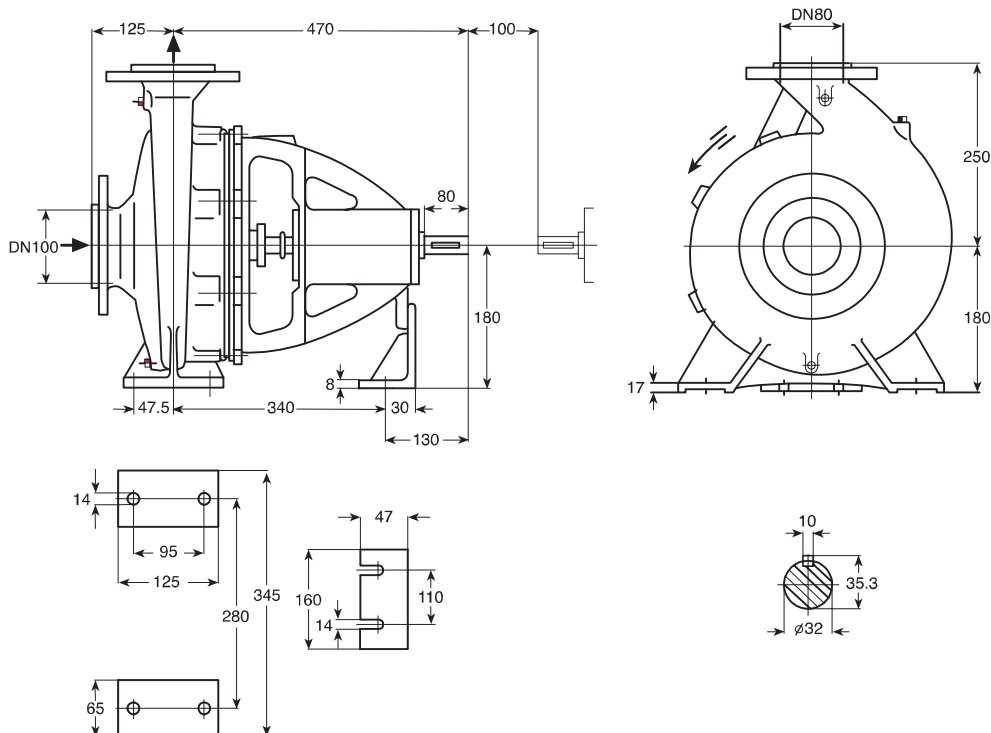
GENERAL SPECIFICATIONS OF CENTRIFUGAL PUMPS

Output size : 32 to 300 mm
Capacity : 5 to 1650 m³/h
Head : 5 to 90 m
Operating temperature with
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Material :

Shaft : Steel Ck 45
Impeller : Cast - Iron GG - 25
Casing : Cast - Iron GG - 25
Material are changeable on request.





RPM 1450	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	40	60	80	100	120		Inlet	outlet	Power *		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	14.3	13.6	12.4	10.5	7.7	209	100	80	5.5	7.5	12.2	**	***
	12.9	12	10.8	8.6	5.8	200			4	5.5	8.8		
	11.3	10.5	9.1	6.7	-	190			4	5.5	8.8		
	9.9	9	7.4	4.7	-	180			3	4	7.5		

RPM 2900	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	80	120	160	200	240		Inlet	outlet	Power *		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	56.5	54	49.5	42.5	31.5	209	100	80	37	50	67	**	***
	51	48	43	35	24	200			30	41	54		
	45.5	42	36.5	27	-	190			30	41	54		
	40	36	30	20	-	180			22	30	39.5		

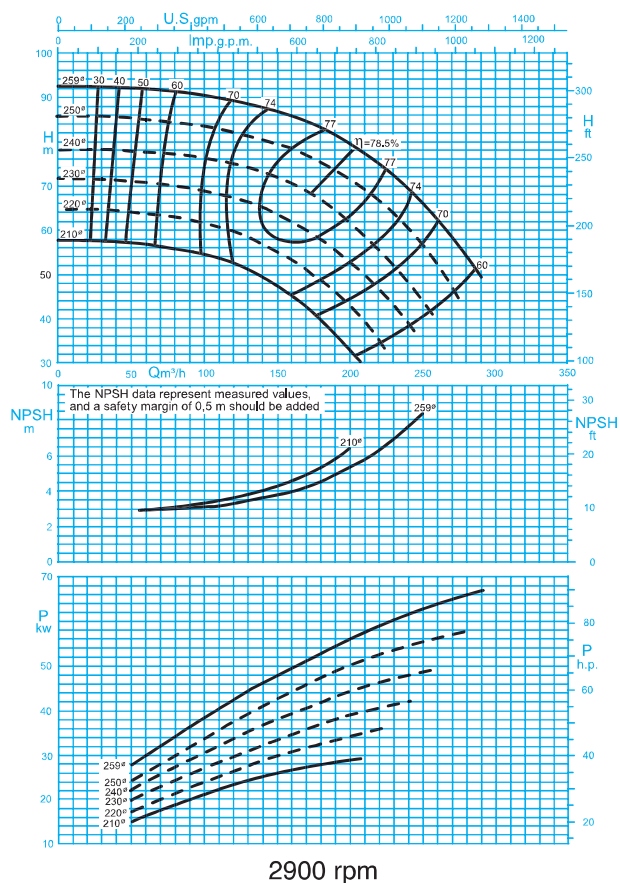
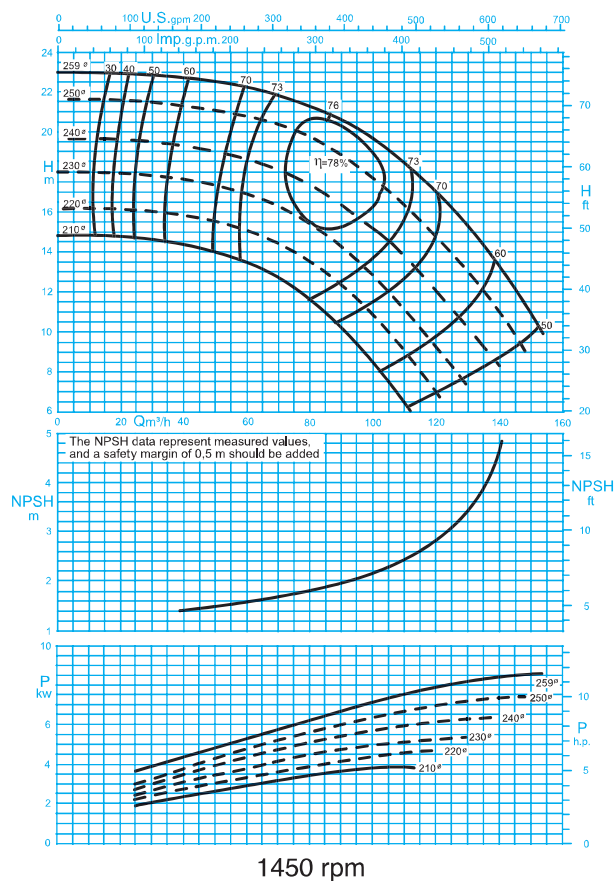


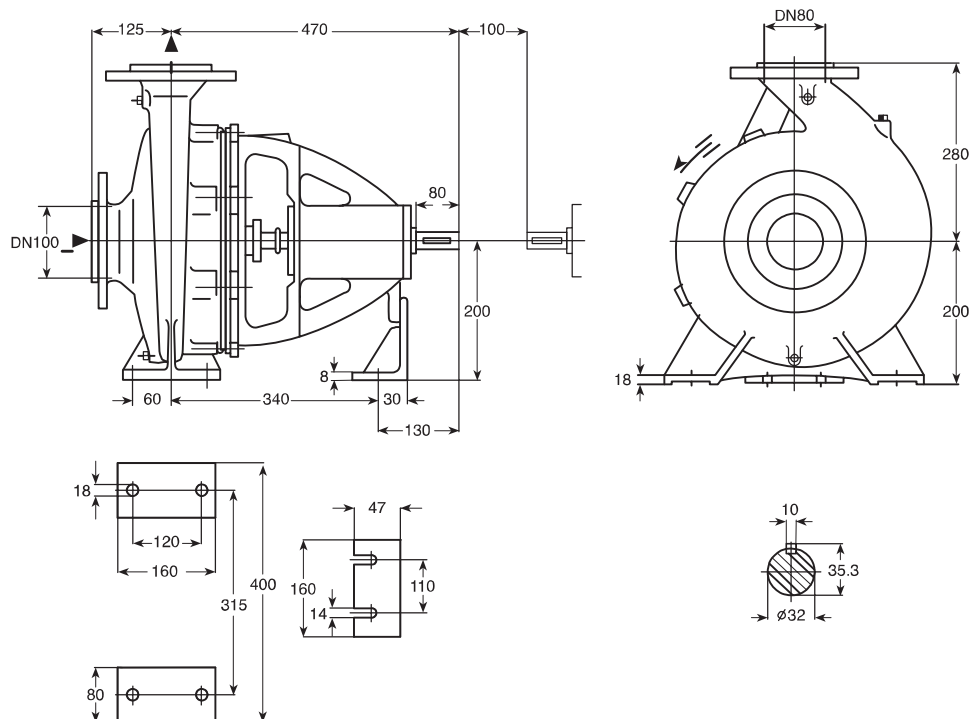
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Casing : Cast - Iron GG - 25
Material are changeable on request.





RPM 1450	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	40	70	90	120	140		Inlet	outlet	Power *		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	22.6	21.8	20.6	17	13.2	259	100	80	11	15	23.8	**	***
	21.3	20.3	18.8	14.7	11	250			11	15	23.8		
	19.2	18	16.3	11.8	8.1	240			7.5	10	16.5		
	17.5	16.2	14.2	9.2	-	230			7.5	10	16.5		

RPM 2900	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	50	100	150	200	250		Inlet	outlet	Power *		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	92	90	86	79	66	259	100	80	75	102	131	**	***
	85	83	79	71	56	250			75	102	131		
	78	76	72	61	44	240			55	75	98		
	71	68	63	53	-	230			45	61	81.5		

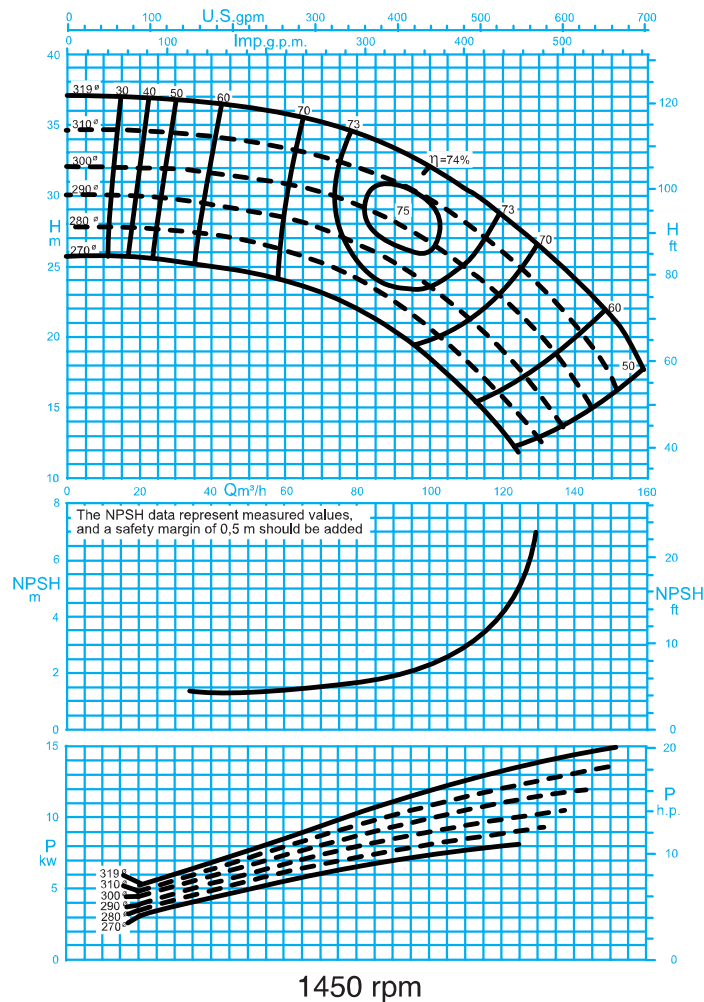


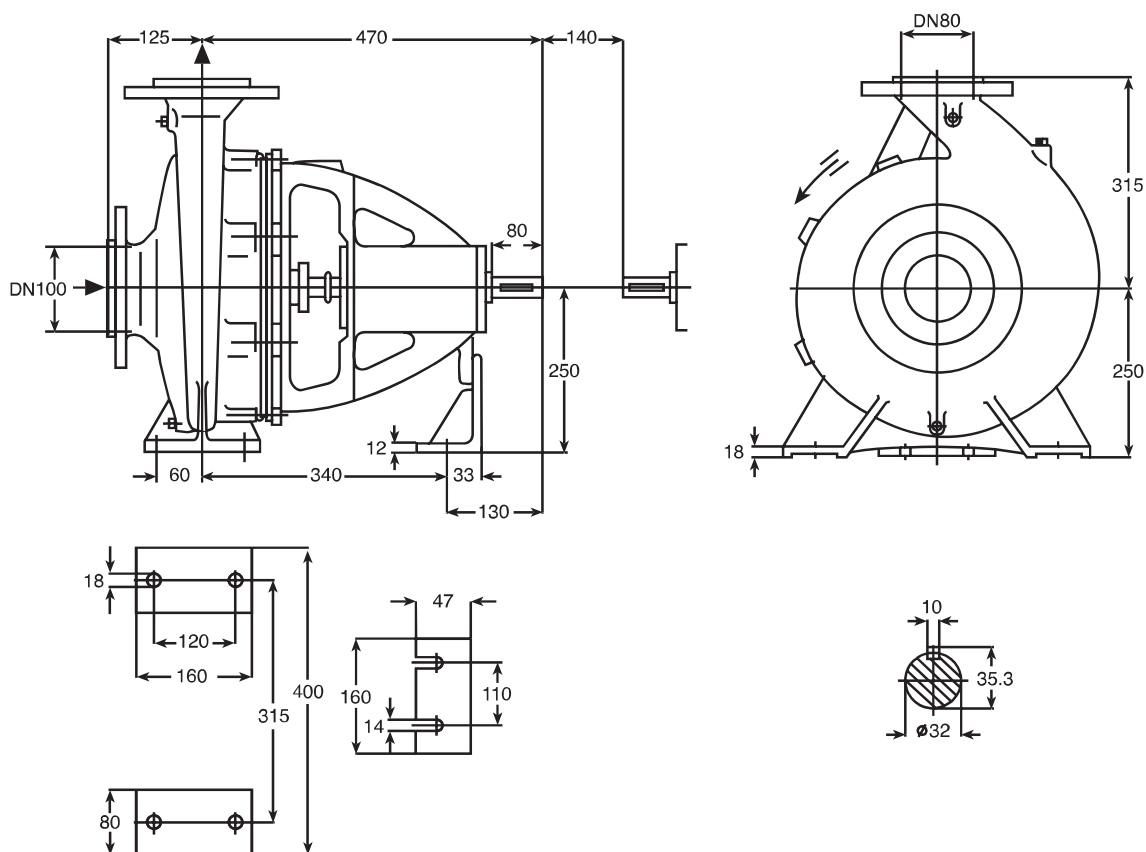
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Casing : Cast - Iron GG - 25
Material are changeable on request.





RPM 1450	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	40	60	80	100	120		Inlet	outlet	Power		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	36.5	35.5	34.5	32	28.5	319	100	80	18.5	25	36.5	***	****
	34	33	32	29.5	26	310			15	20	32		
	31.5	30.5	29	26.5	22.5	300			15	20	32		
	29	28	26.5	23.5	19	290			15	20	32		

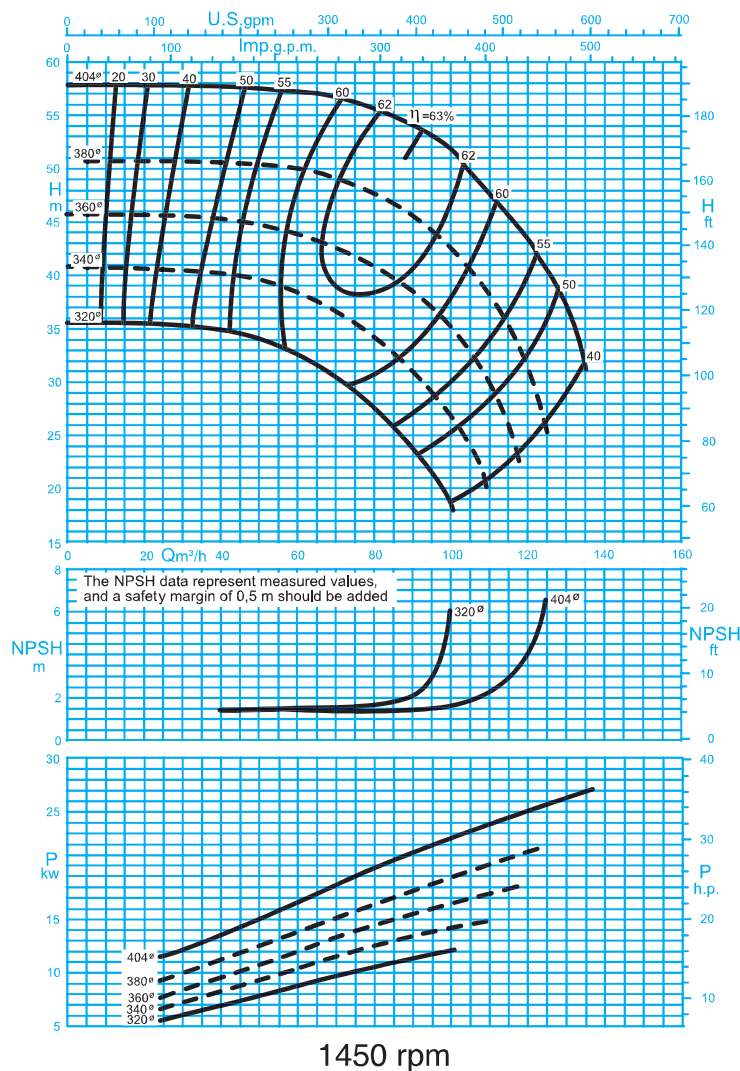


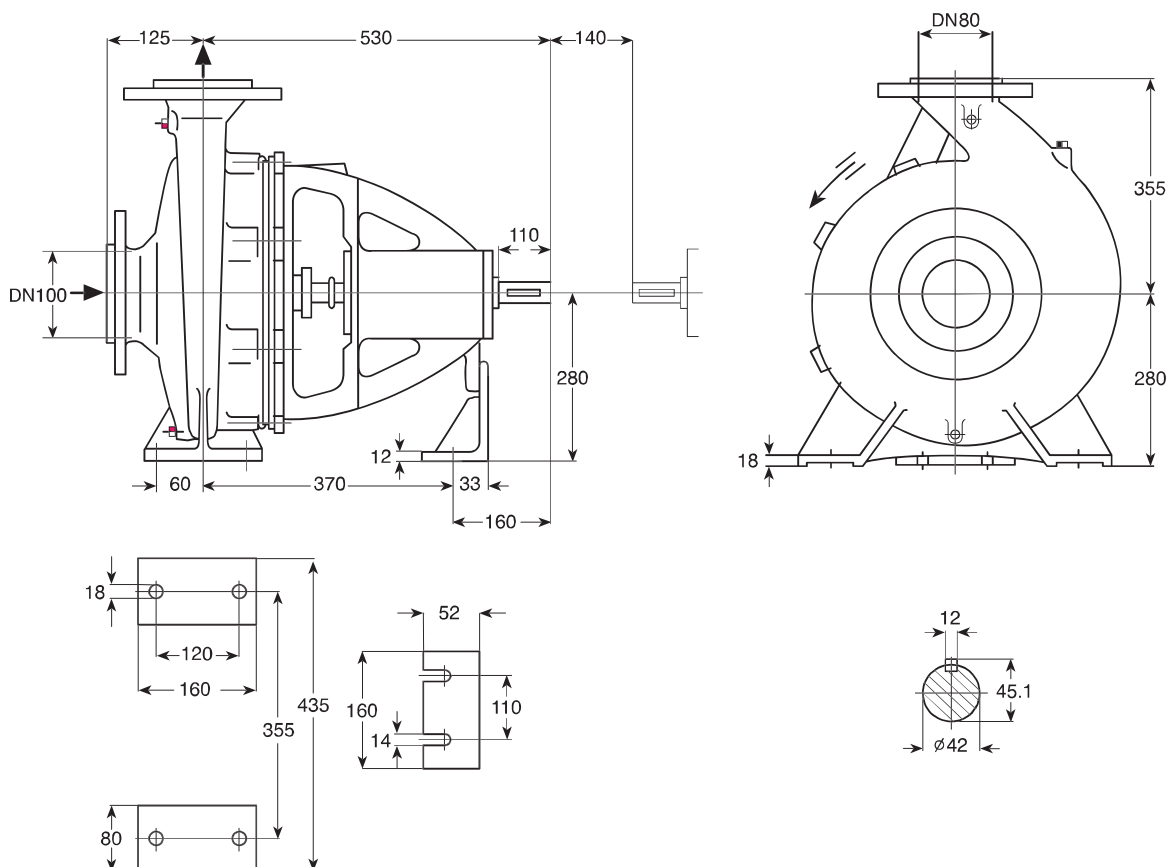
GENERAL SPECIFICATIONS OF CENTRIFUGAL PUMPS

Output size : 32 to 300 mm
Capacity : 5 to 1650 m³/h
Head : 5 to 90 m
Operating temperature with
soft packed stuffing box : from -50°C to 110°C
Operating temperature with
mechanical seal : from -50°C to 140°C

Material :

Shaft : Steel Ck 45
Impeller : Cast - Iron GG - 25
Casing : Cast - Iron GG - 25
Material are changeable on request.





RPM 1450	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	40	60	80	100	120		Inlet	outlet	Power *		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	57.5	57	55.5	51.5	43	404	100	80	30	41	58.5	**	***
	50.5	50	47.5	42.5	31	380			30	41	58.5		
	45	43.5	40.5	35	-	360			22	30	44		
	40	38	34	26.5	-	340			18.5	25	36.5		

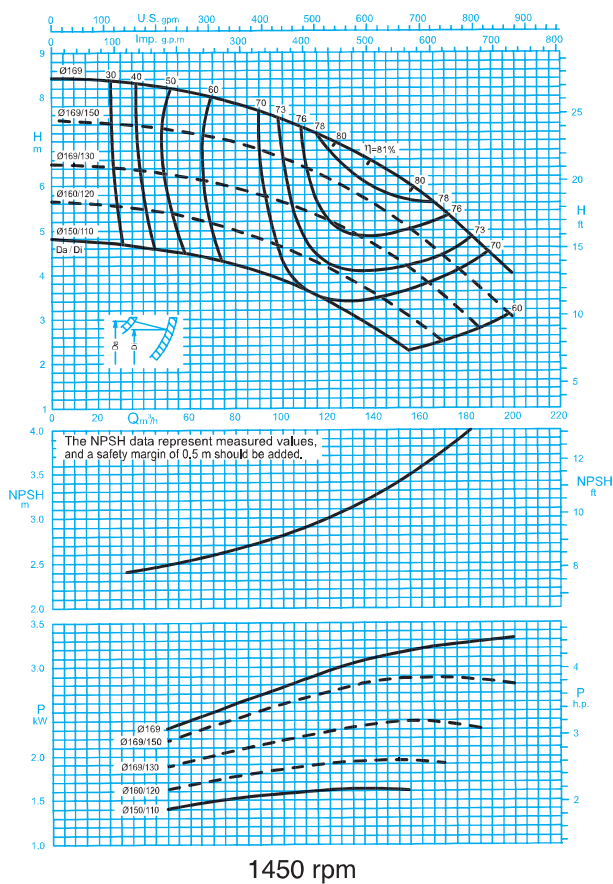


GENERAL SPECIFICATIONS OF CENTRIFUGAL PUMPS

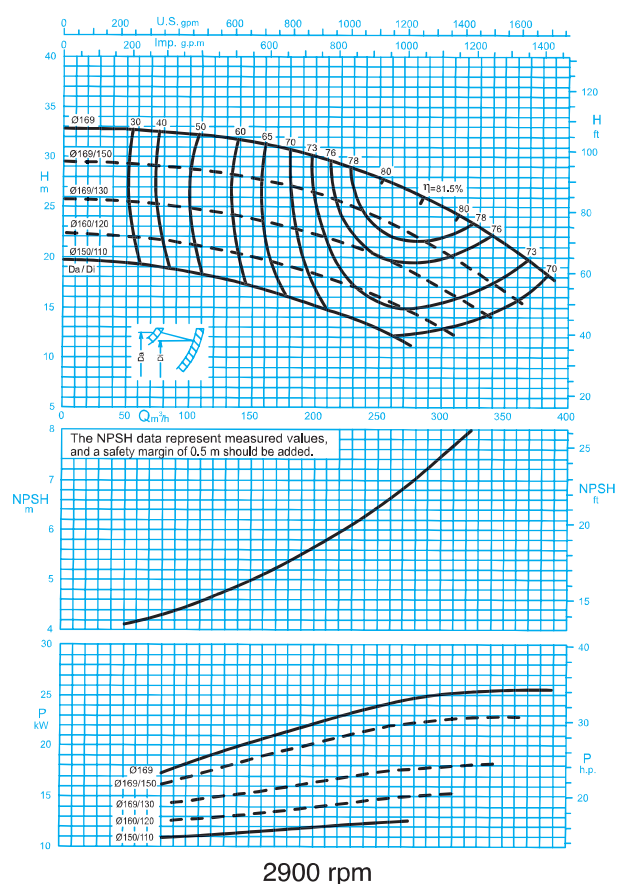
Output size : 32 to 300 mm
 Capacity : 5 to 1650 m³/h
 Head : 5 to 90 m
 Operating temperature with
 soft packed stuffing box : from -50°C to 110°C
 Operating temperature with
 mechanical seal : from -50°C to 140°C

Material :

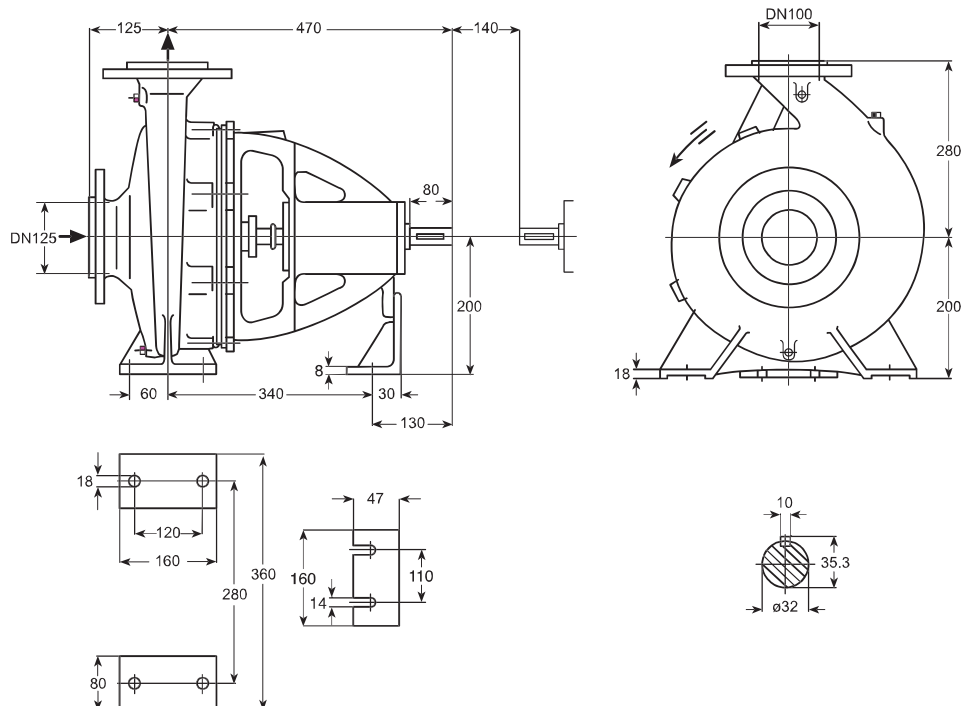
Shaft : Steel Ck 45
 Impeller : Cast - Iron GG - 25
 Casing : Cast - Iron GG - 25
 Material are changeable on request.



1450 rpm



2900 rpm



RPM 1450	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	70	100	130	160	190		Inlet	outlet	Power		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	8	7.5	6.8	5.8	4.4	169	125	100	4	5.5	9.15	**	***
	7.1	6.6	5.9	4.8	3.4	169/150			3	4	7.89		
	6.1	5.6	4.9	3.9	-	169/130			3	4	7.89		
	5.1	4.6	3.8	2.8	-	160/120			2.2	3	5.52		

RPM 2900	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	150	200	250	300	350		مکش Inlet	رانش outlet	Power		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	31.5	30	28	25	21	169	125	100	30	41	54	**	***
	27.8	26.3	23.6	20.5	16.5	169/150			30	41	54		
	23.8	22.1	20	16.7	-	169/130			22	30	39.5		
	20	18.2	16	13	-	160/120			18.5	25	34		

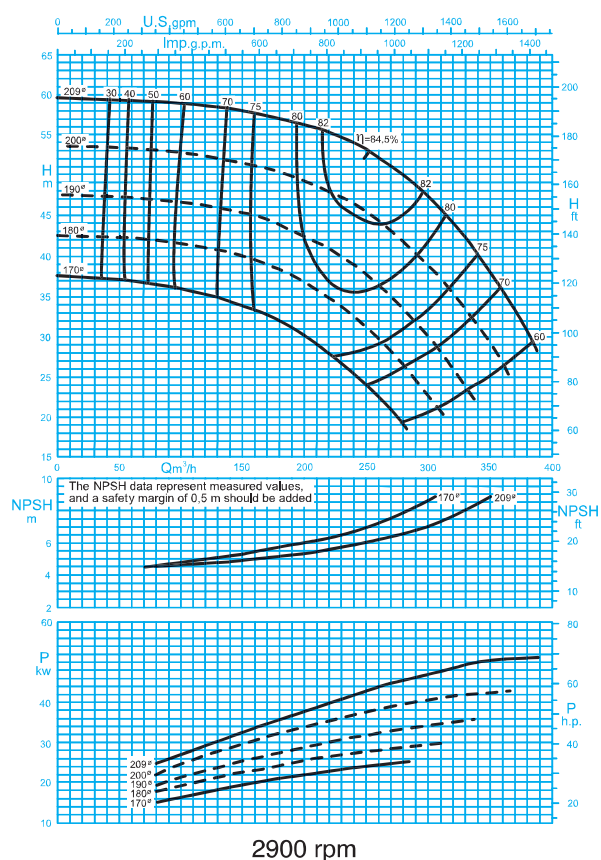
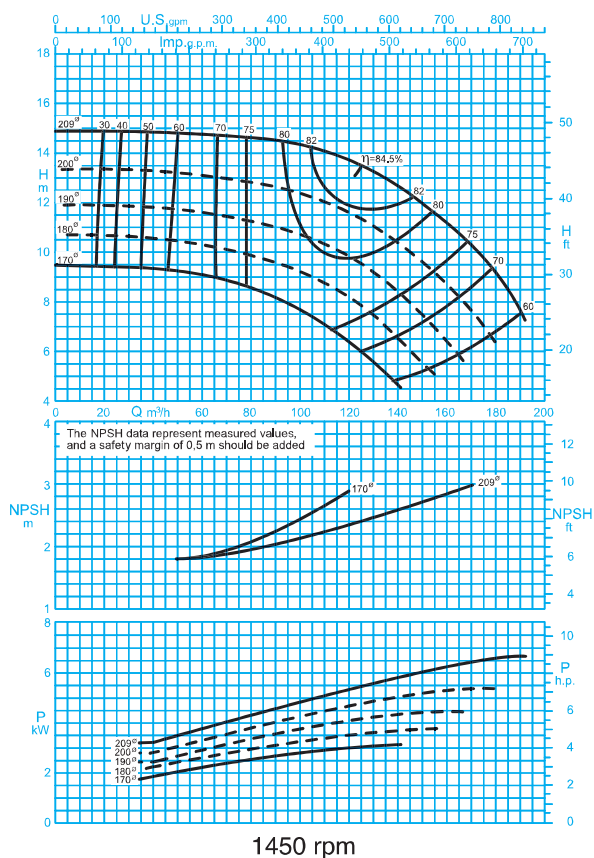


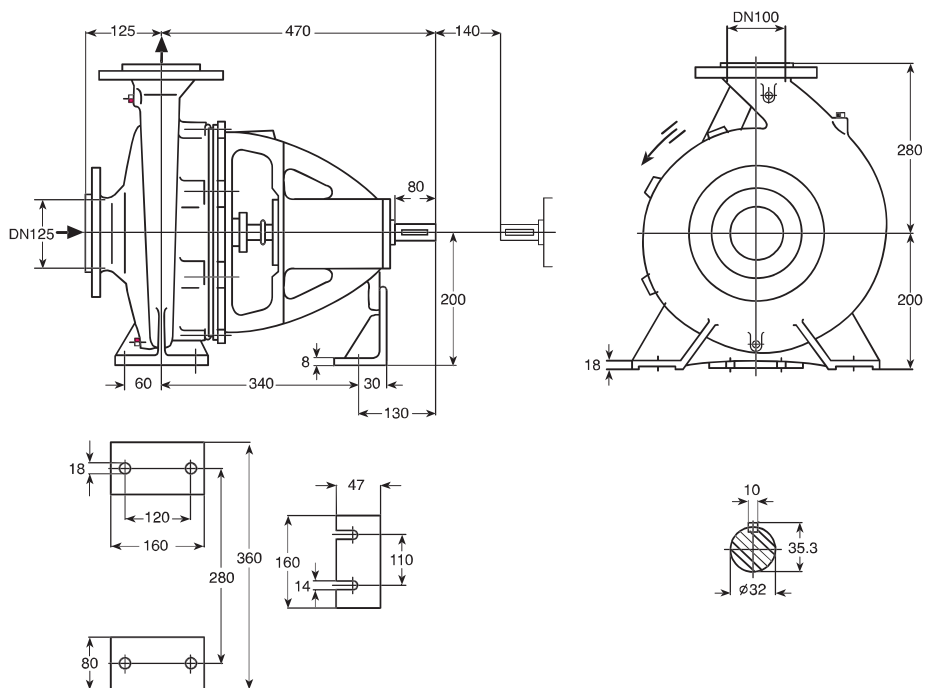
GENERAL SPECIFICATIONS OF CENTRIFUGAL PUMPS

Output size : 32 to 300 mm
Capacity : 5 to 1650 m³/h
Head : 5 to 90 m
Operating temperature with
soft packed stuffing box : from -50°C to 110°C
Operating temperature with
mechanical seal : from -50°C to 140°C

Material :

Shaft : Steel Ck 45
Impeller : Cast - Iron GG - 25
Casing : Cast - Iron GG - 25
Material are changeable on request.





RPM 1450	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	60	90	130	150	180		Inlet	outlet	Power *		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	14.7	14.5	13.7	11.8	9	209	125	100	7.5	10	16.5	**	***
	13	12.6	11.6	9.6	6.3	200			7.5	10	16.5		
	11.6	11	9.8	7.4	-	190			5.5	7.5	12.2		
	10.2	9.6	8.1	5.6	-	180			5.5	7.5	12.2		

RPM 2900	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	150	200	250	300	350		Inlet	outlet	Power *		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	58	56	53	47	37.5	209	125	100	55	75	98	**	***
	51.5	49	45	38.5	29	200			55	75	98		
	45	42.5	37.5	30	-	190			45	61	81.5		
	40	36.5	31	22.5	-	180			37	50	67		

*
 **

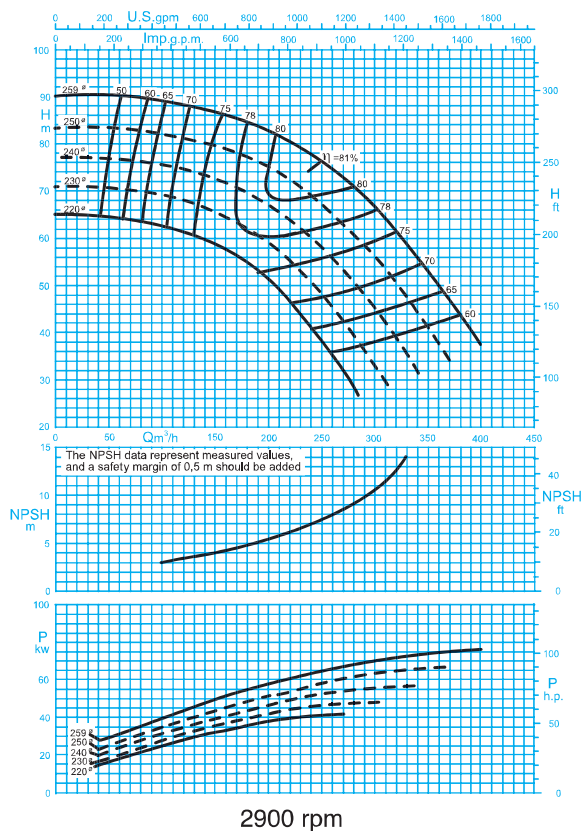
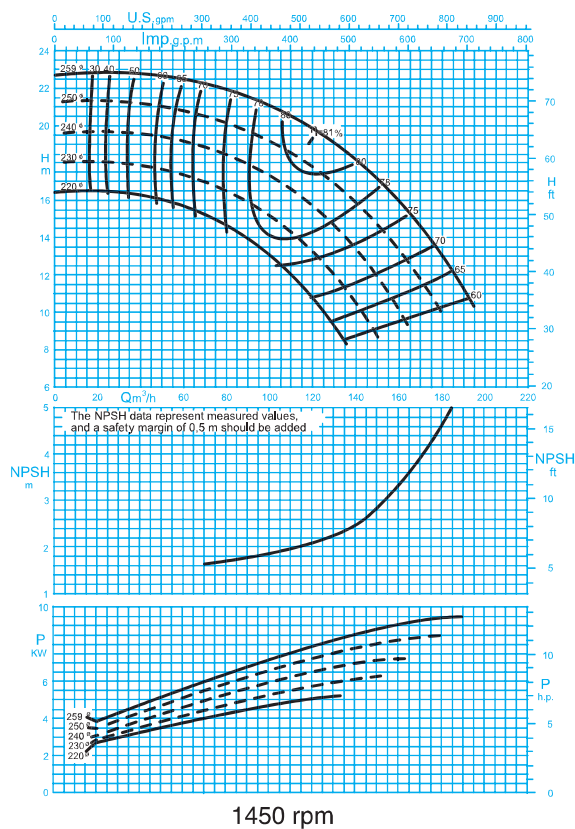


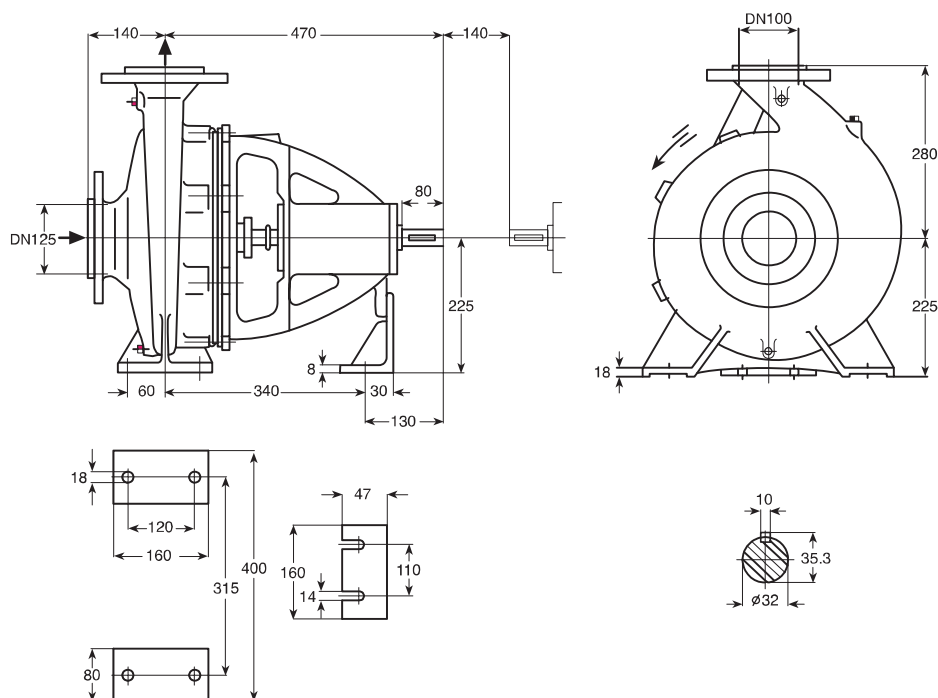
GENERAL SPECIFICATIONS OF CENTRIFUGAL PUMPS

Output size : 32 to 300 mm
Capacity : 5 to 1650 m³/h
Head : 5 to 90 m
Operating temperature with
soft packed stuffing box : from -50°C to 110°C
Operating temperature with
mechanical seal : from -50°C to 140°C

Material :

Shaft : Steel Ck 45
Impeller : Cast - Iron GG - 25
Casing : Cast - Iron GG - 25
Material are changeable on request.





RPM 1450	Capacity (m³/h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	60	90	120	150	180		Inlet	outlet	Power 		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	22	21	19.2	16.7	12.8	259	125	100	11	15	23.8	  	  
	20.4	19.2	17.2	14.4	10	250			11	15	23.8		
	18.7	17.3	15.2	11.7	-	240			11	15	23.8		
	17	15.5	13	8.5	-	230			7.5	10	16.5		

RPM 2900	Capacity (m³/h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	100	175	250	300	350		Inlet	outlet	Power 		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	89	85	76	67	53	259	125	100	90	122	158	  	  
	82	77	67	55	40	250			75	102	131		
	75	70	58	45	-	240			75	102	131		
	69	63	48	33	-	230			55	75	98		

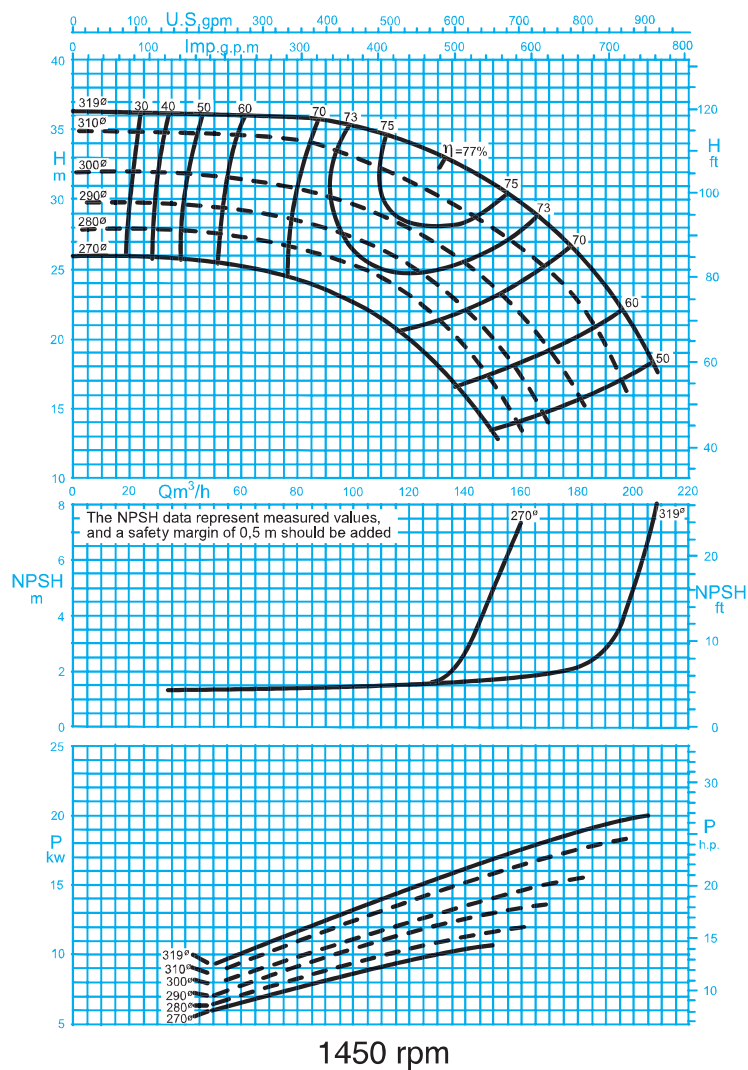


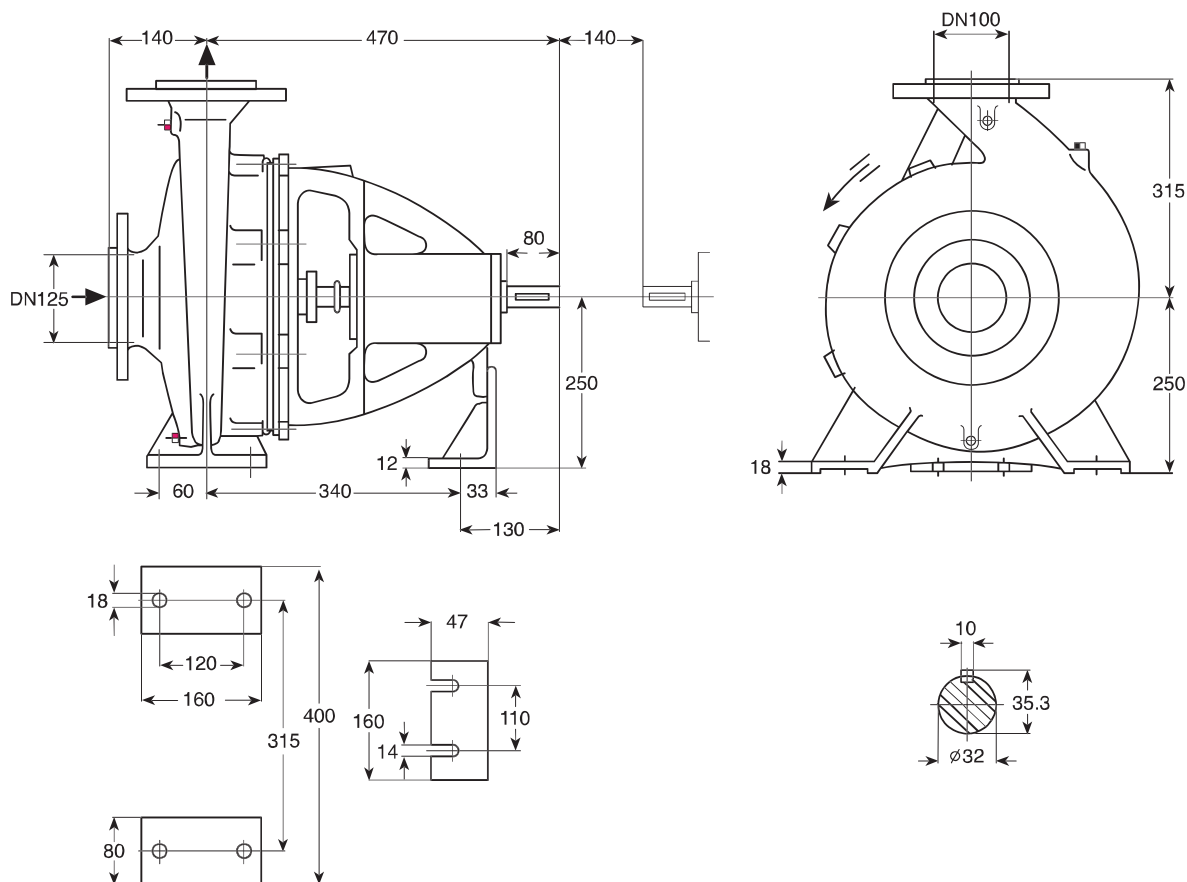
GENERAL SPECIFICATIONS OF CENTRIFUGAL PUMPS

Output size : 32 to 300 mm
Capacity : 5 to 1650 m³/h
Head : 5 to 90 m
Operating temperature with
soft packed stuffing box : from -50°C to 110°C
Operating temperature with
mechanical seal : from -50°C to 140°C

Material :

Shaft : Steel Ck 45
Impeller : Cast - Iron GG - 25
Casing : Cast - Iron GG - 25
Material are changeable on request.





RPM 1450	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	60	90	120	150	180		Inlet	outlet	Power *		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	36	35.5	34	31	26	319	125	100	22	30	44	***	****
	34.3	33.6	31.5	28	22.5	310			22	30	44		
	31.2	30.1	27.7	23.5	16	300			18.5	25	36.5		
	29	27.5	25	19.5	-	290			15	20	32		

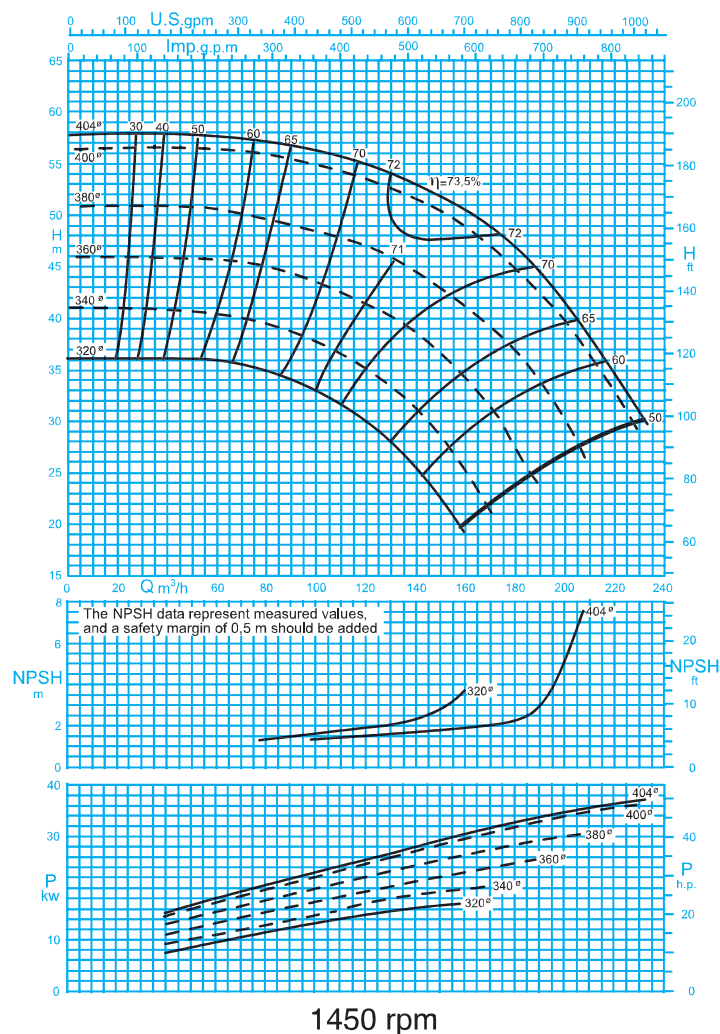


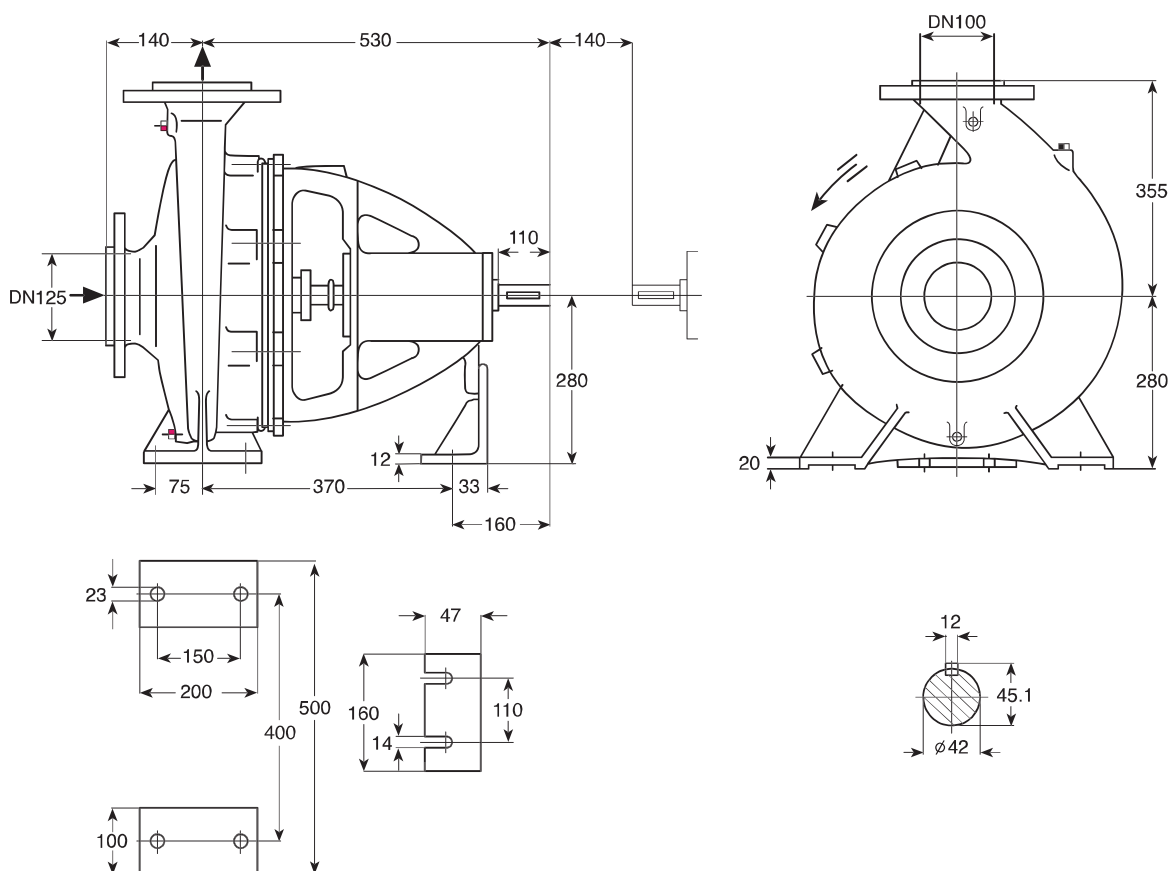
GENERAL SPECIFICATIONS OF CENTRIFUGAL PUMPS

Output size : 32 to 300 mm
Capacity : 5 to 1650 m³/h
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Operating temperature with
soft packed stuffing box : from -50°C to 110°C
Operating temperature with
mechanical seal : from -50°C to 140°C

Material :

Shaft : Steel Ck 45
Impeller : Cast - Iron GG - 25
Casing : Cast - Iron GG - 25
Material are changeable on request.





RPM 1450	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	40	80	120	160	200		Inlet	outlet	Power		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	57.5	57	54.5	50	41	404	125	100	45	61	85.5	***	****
	51	49.5	47	41	30	380			37	50	70.5		
	46	45	41	34	-	360			30	41	58.5		
	41	39	39.5	25	-	340			22	30	44		



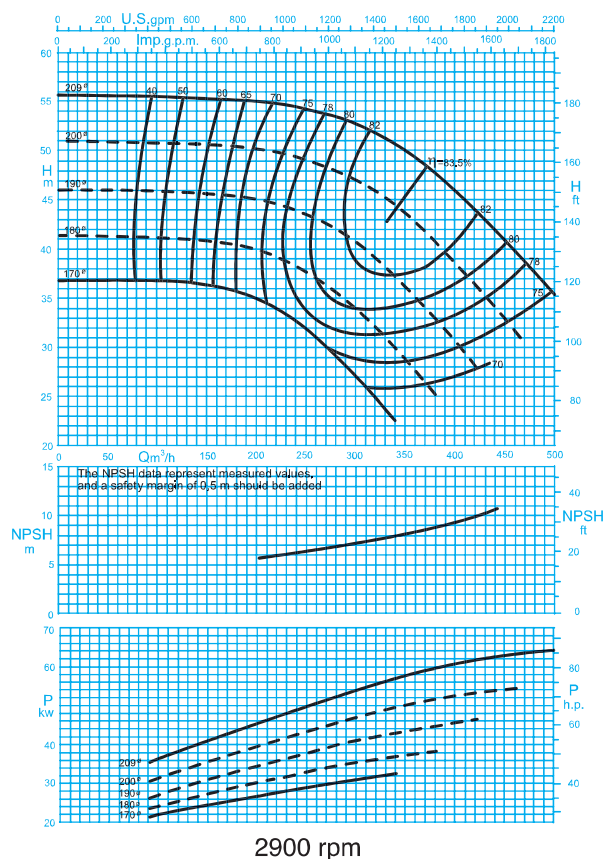
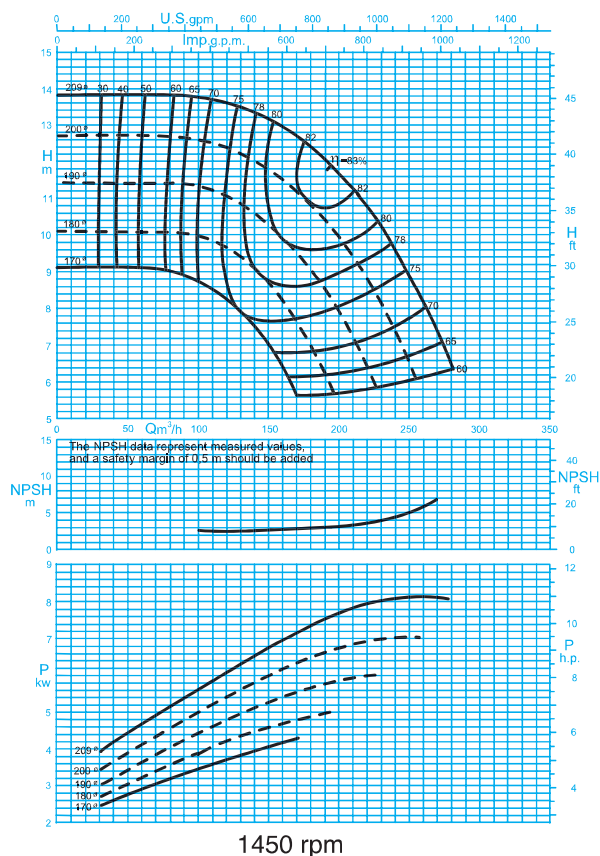
GENERAL SPECIFICATIONS OF CENTRIFUGAL PUMPS

Output size : 32 to 300 mm
Capacity : 5 to 1650 m³/h
Head : 5 to 90 m
Operating temperature with
soft packed stuffing box : from -50°C to 110°C
Operating temperature with
mechanical seal : from -50°C to 140°C

Material :

Shaft : Steel Ck 45
Impeller : Cast - Iron GG - 25
Casing : Cast - Iron GG - 25

Material are changeable on request.





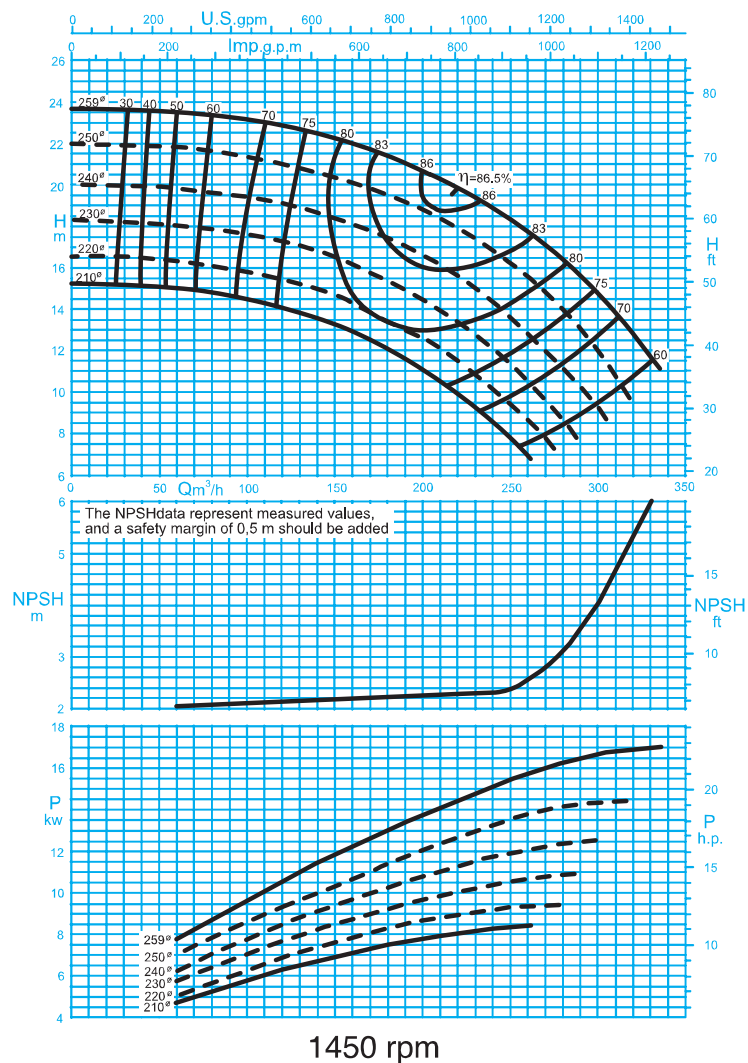
GENERAL SPECIFICATIONS OF CENTRIFUGAL PUMPS

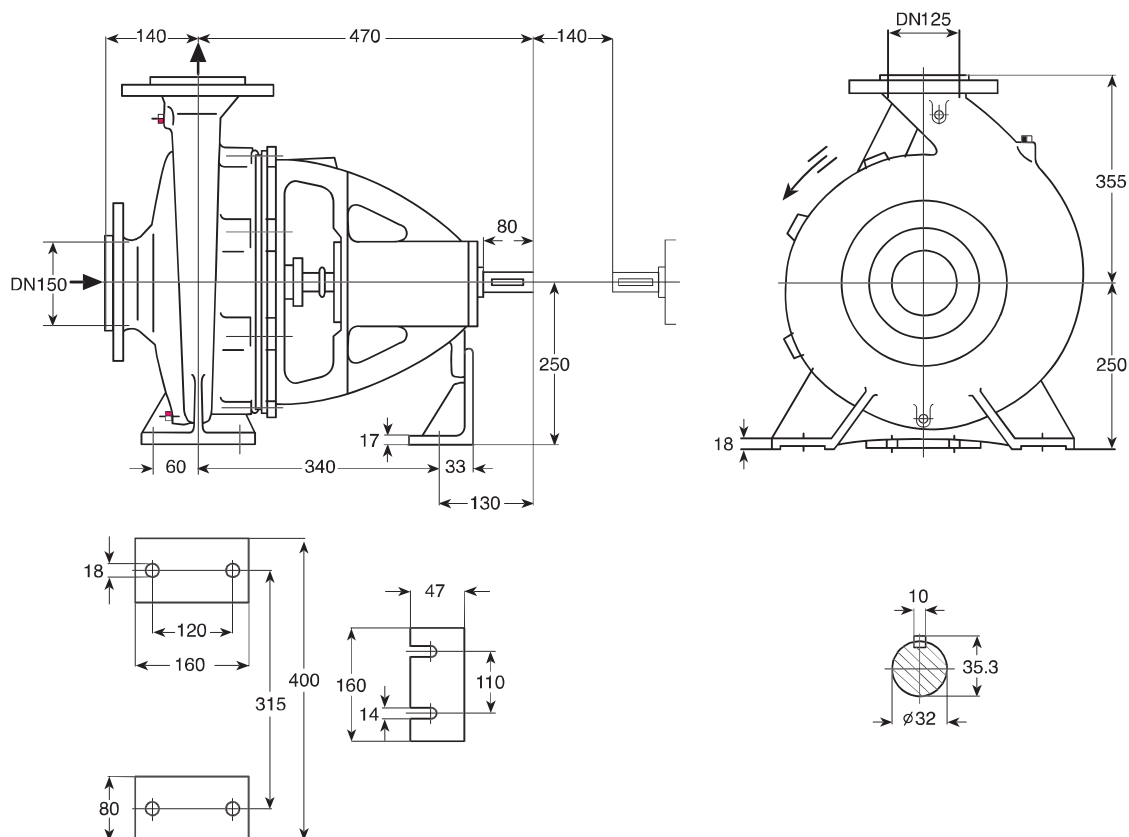
Output size : 32 to 300 mm
Capacity : 5 to 1650 m³/h
Head : 5 to 90 m
Operating temperature with
soft packed stuffing box : from -50°C to 110°C
Operating temperature with
mechanical seal : from -50°C to 140°C

Material :

Shaft : Steel Ck 45
Impeller : Cast - Iron GG - 25
Casing : Cast - Iron GG - 25

Material are changeable on request.





RPM 1450	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	100	150	200	250	300		Inlet	outlet	Power *		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	23.2	22.2	20.5	18	14.3	259	150	125	18.5	25	36.5	**	***
	21.4	20.3	18.4	15.8	11.7	250			18.5	25	36.5		
	19.3	18	16.2	13.2	9	240			15	20	32		
	17.4	16.1	14	11	-	230			15	20	32		



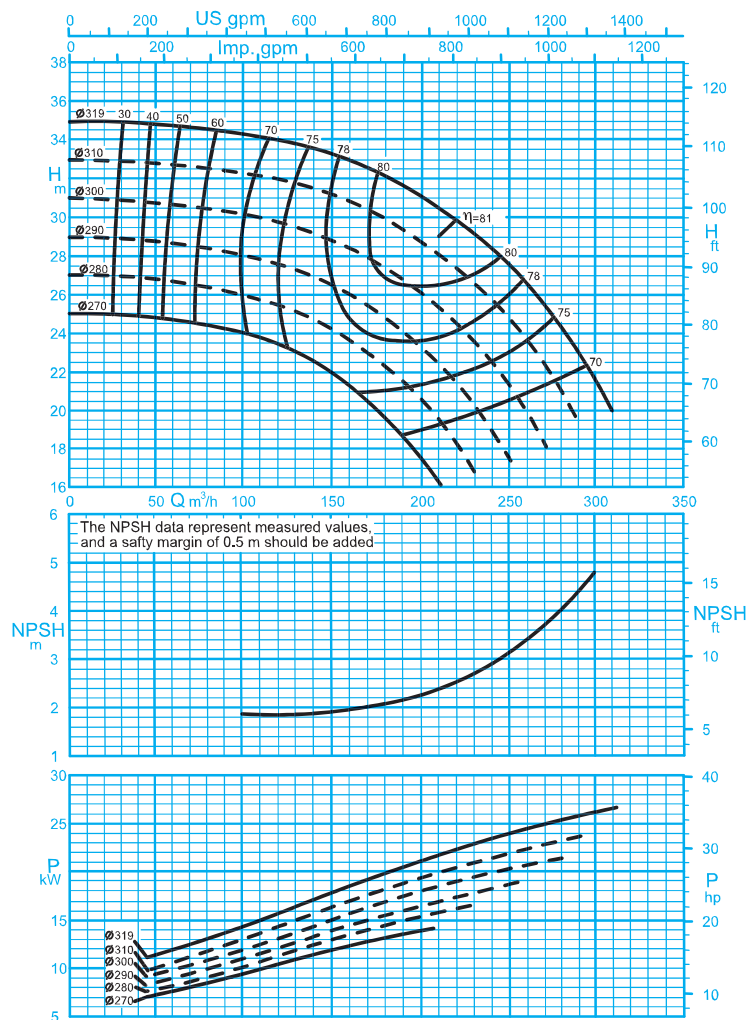
GENERAL SPECIFICATIONS OF CENTRIFUGAL PUMPS

Output size : 32 to 300 mm
Capacity : 5 to 1650 m³/h
Head : 5 to 90 m
Operating temperature with
soft packed stuffing box : from -50°C to 110°C
Operating temperature with
mechanical seal : from -50°C to 140°C

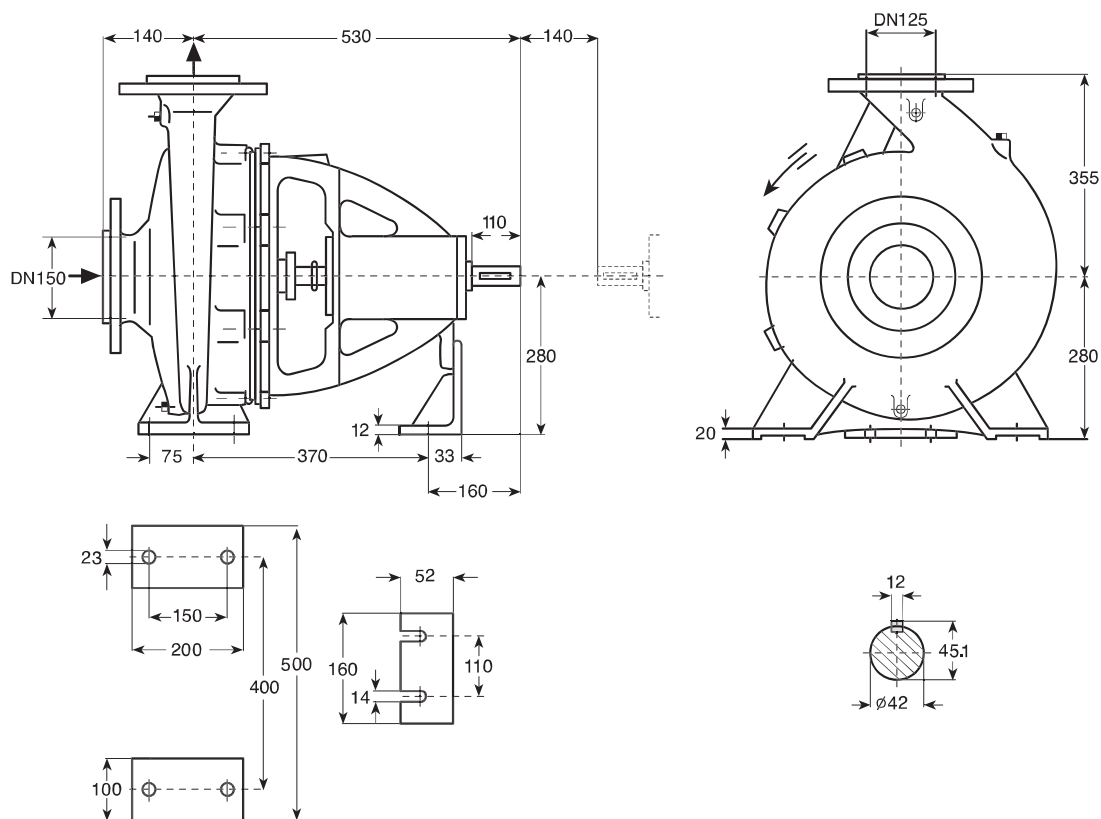
Material :

Shaft : Steel Ck 45
Impeller : Cast - Iron GG - 25
Casing : Cast - Iron GG - 25

Material are changeable on request.



1450 rpm



RPM 1450	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	100	150	200	250	300		Inlet	outlet	Power		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	34.3	33.2	31	27.5	21.5	319	150	125	30	41	58.5	**	***
	32.3	31.2	28.7	24.7	-	310			30	41	58.5		
	30.1	28.8	26	21.2	-	300			30	41	58.5		
	28	26.5	23.2	17.5	-	290			22	30	44		



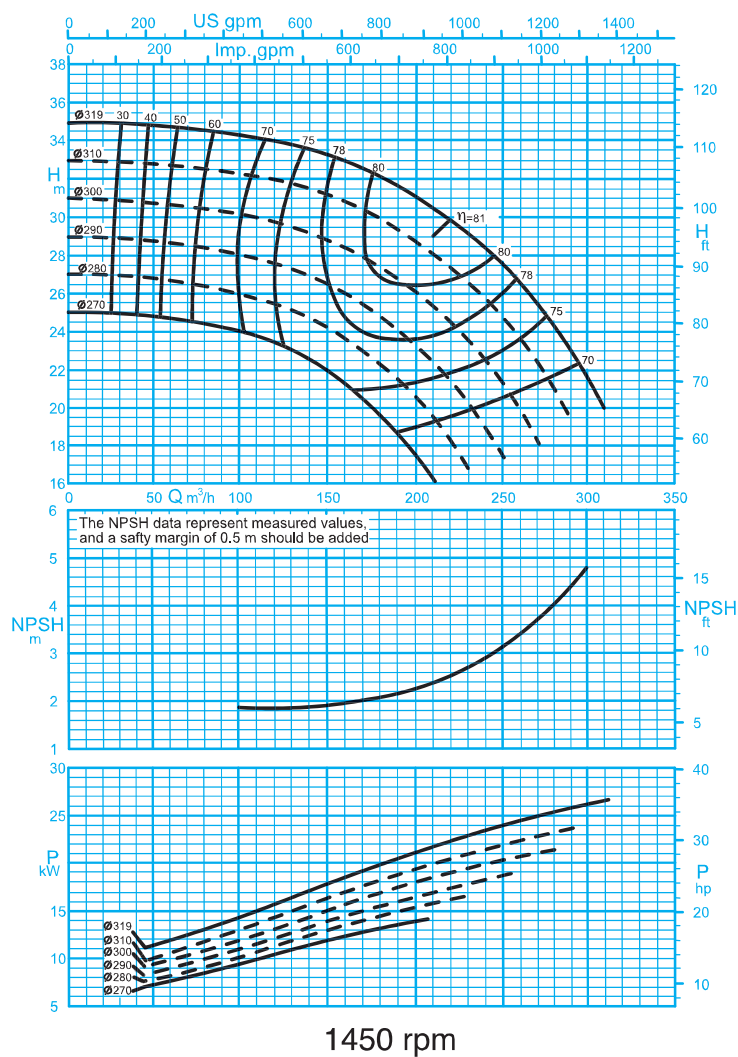
GENERAL SPECIFICATIONS OF CENTRIFUGAL PUMPS

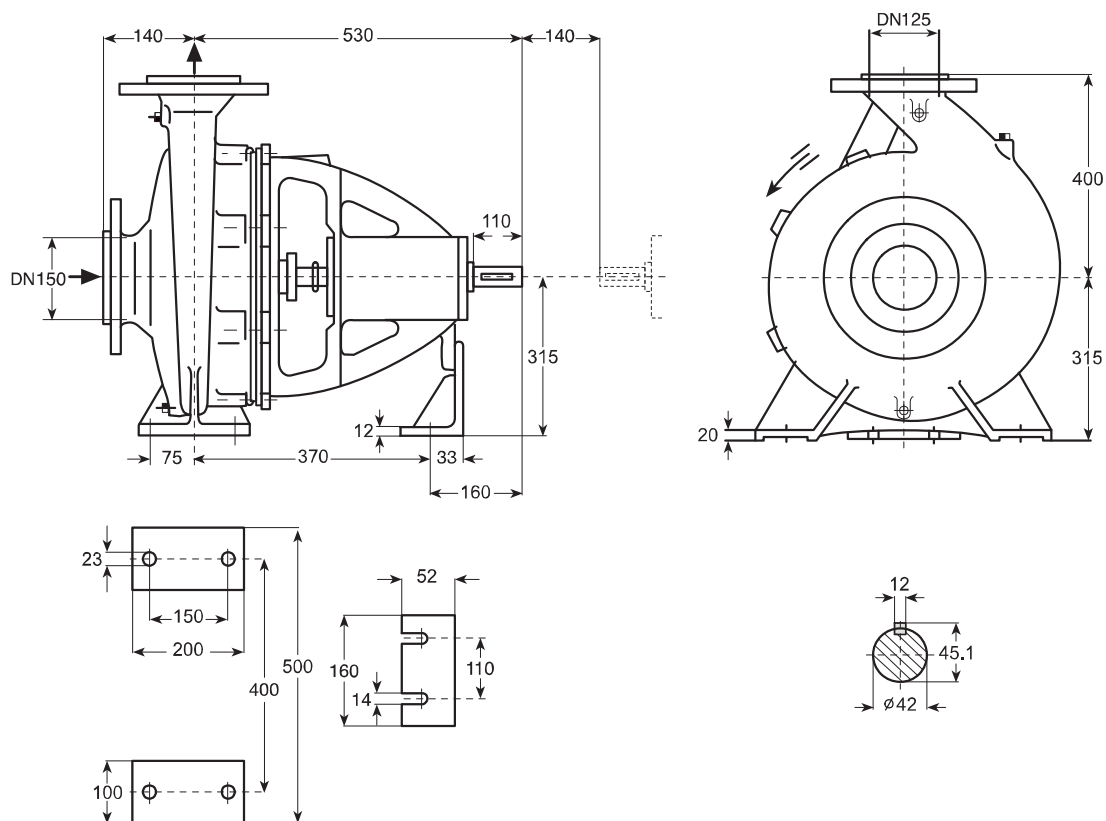
Output size : 32 to 300 mm
Capacity : 5 to 1650 m³/h
Head : 5 to 90 m
Operating temperature with
soft packed stuffing box : from -50°C to 110°C
Operating temperature with
mechanical seal : from -50°C to 140°C

Material :

Shaft : Steel Ck 45
Impeller : Cast - Iron GG - 25
Casing : Cast - Iron GG - 25

Material are changeable on request.





RPM 1450	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	100	150	200	250	300		Inlet	outlet	Power		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	57	55	51.7	45.5	34	404	150	125	55	75	104	**	***
	55.5	53.6	50	43.5	32	400			55	75	104		
	50	48	48.6	35.5	-	380			45	61	85.5		
	45	42.2	37.2	26.5	-	360			37	50	70.5		



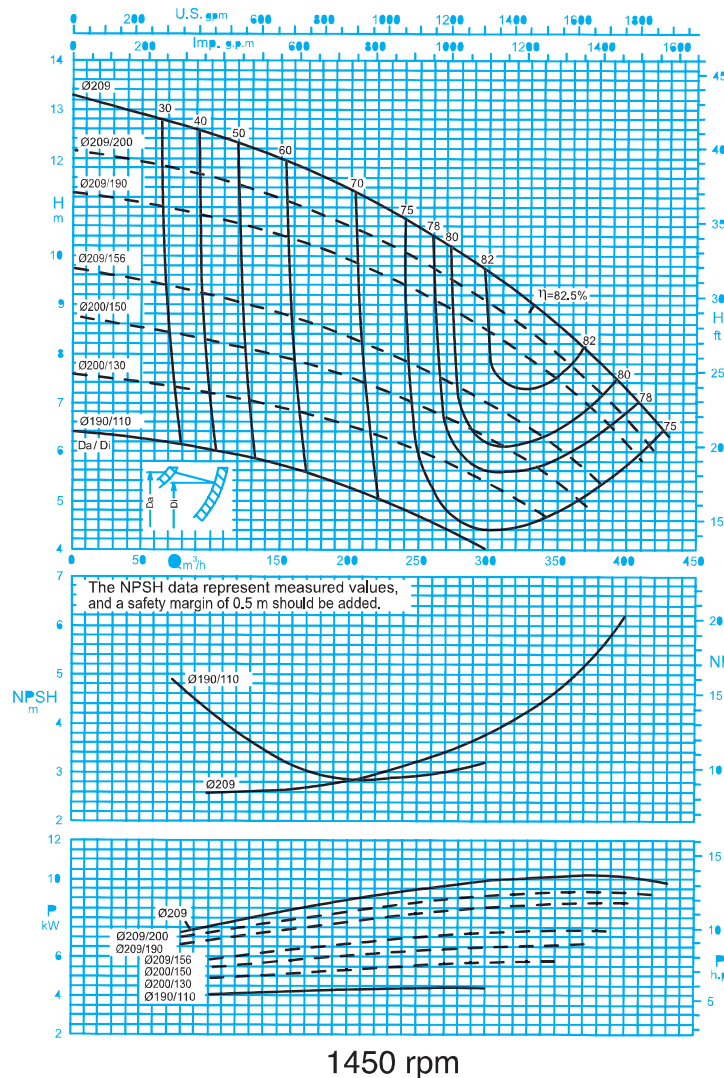
GENERAL SPECIFICATIONS OF CENTRIFUGAL PUMPS

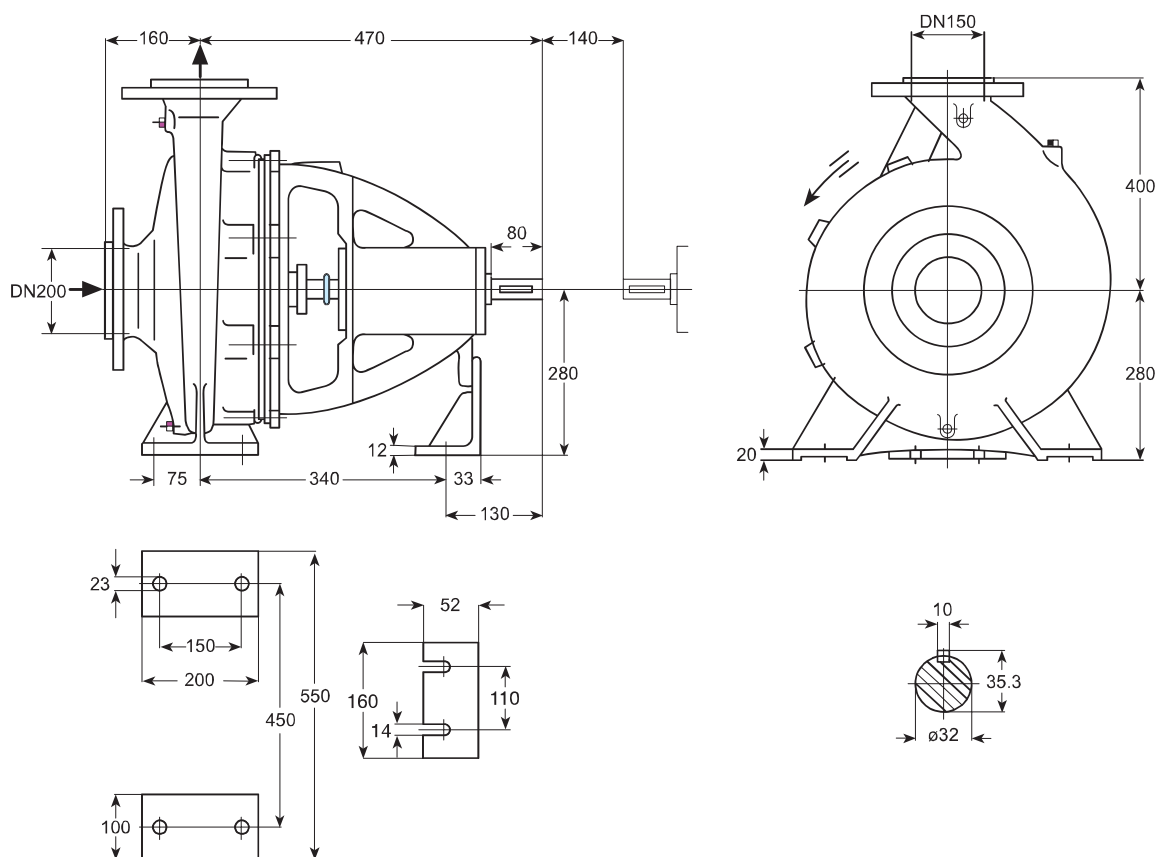
Output size : 32 to 300 mm
Capacity : 5 to 1650 m³/h
Head : 5 to 90 m
Operating temperature with
soft packed stuffing box : from -50°C to 110°C
Operating temperature with
mechanical seal : from -50°C to 140°C

Material :

Shaft : Steel Ck 45
Impeller : Cast - Iron GG - 25
Casing : Cast - Iron GG - 25

Material are changeable on request.





RPM 1450	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	200	250	300	350	400		Inlet	outlet	Power *		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	11.3	10.5	9.7	8.5	7.2	209	200	150	15	20	32	**	***
	10.6	9.9	9	7.4	6.6	209/200			11	15	23.8		
	9.9	9.2	8.4	6	5.8	209/190			11	15	23.8		
	8.3	7.7	7	5.3	-	209/156			11	15	23.8		



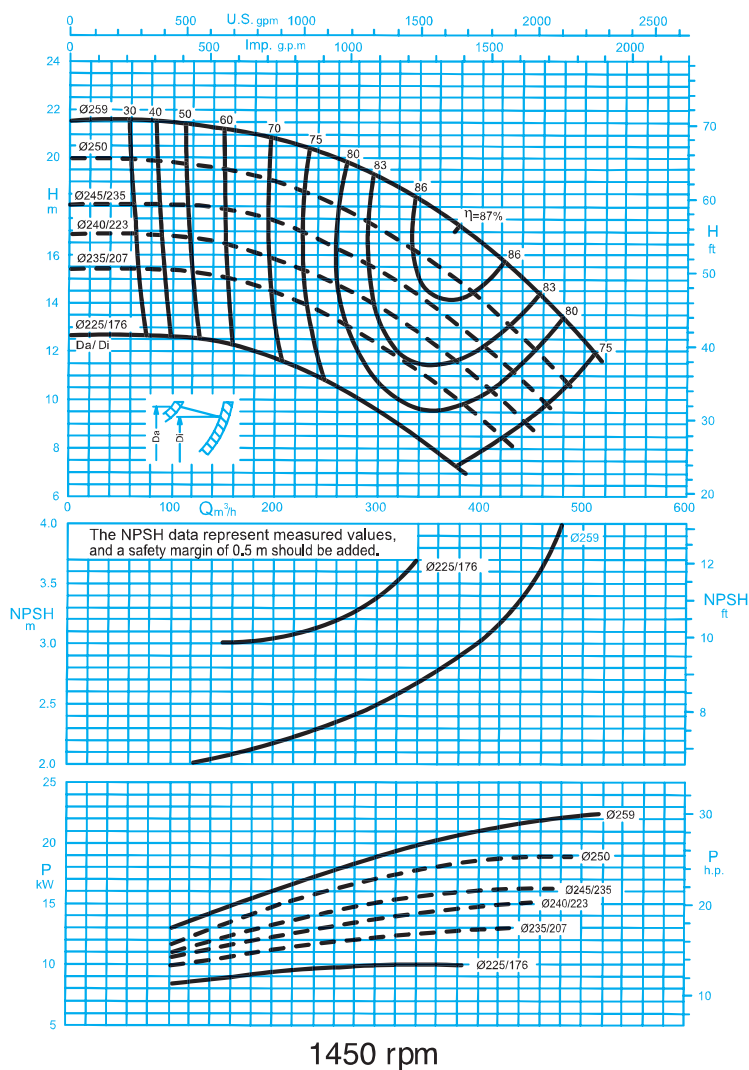
GENERAL SPECIFICATIONS OF CENTRIFUGAL PUMPS

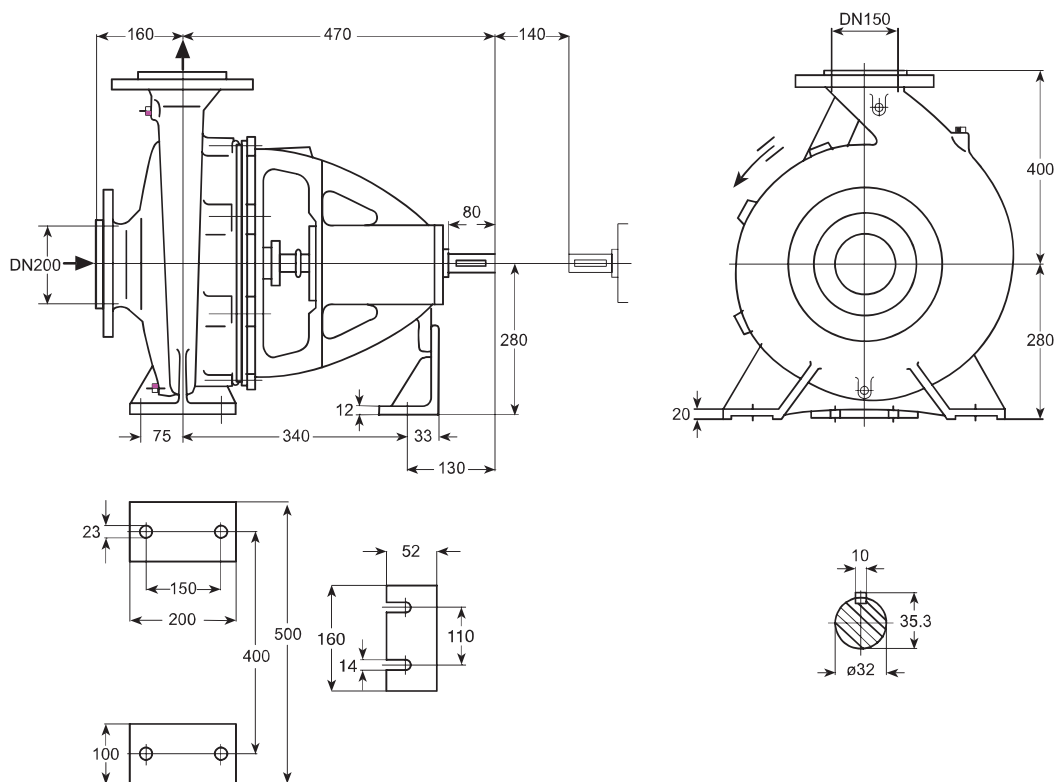
Output size : 32 to 300 mm
Capacity : 5 to 1650 m³/h
Head : 5 to 90 m
Operating temperature with
soft packed stuffing box : from -50°C to 110°C
Operating temperature with
mechanical seal : from -50°C to 140°C

Material :

Shaft : Steel Ck 45
Impeller : Cast - Iron GG - 25
Casing : Cast - Iron GG - 25

Material are changeable on request.





RPM 1450	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	150	200	300	400	450		Inlet	outlet	Power *		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	21.2	20.8	19.2	16.5	14.6	259	200	150	30	41	58.5	**	***
	19.5	19	17	14	12.2	250			22	30	44		
	17.8	17.3	15.3	12.2	10.4	245/235			18.5	25	36.5		
	16.5	16	13.8	10.7	-	240/223			18.5	25	36.5		

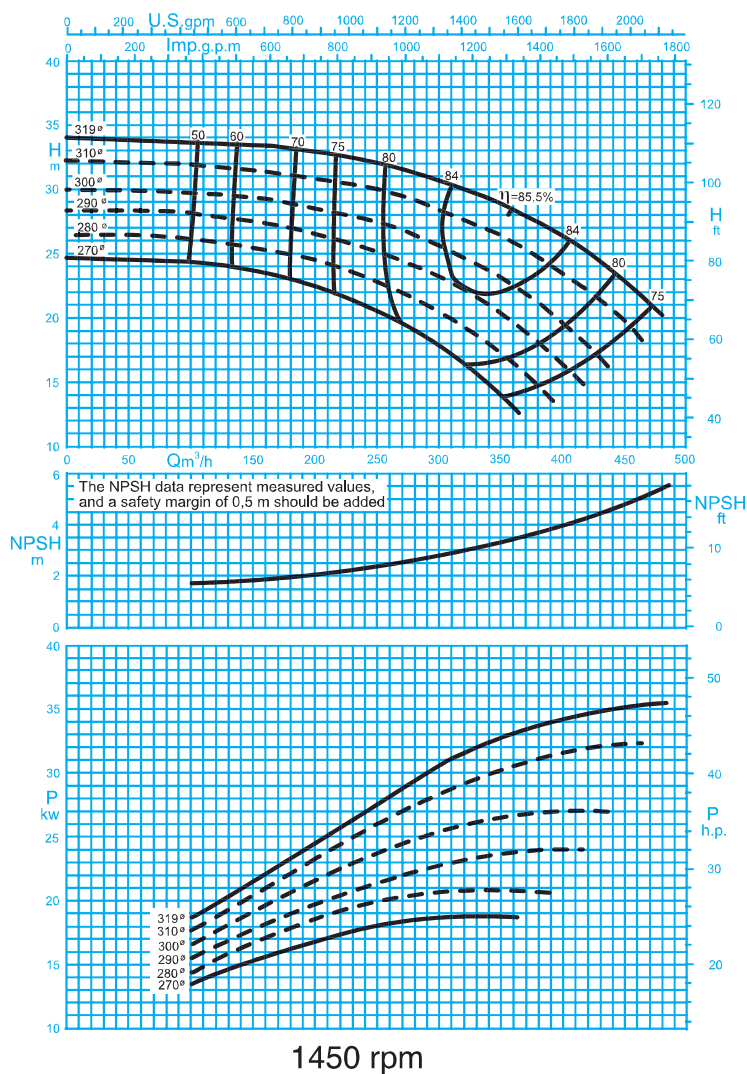


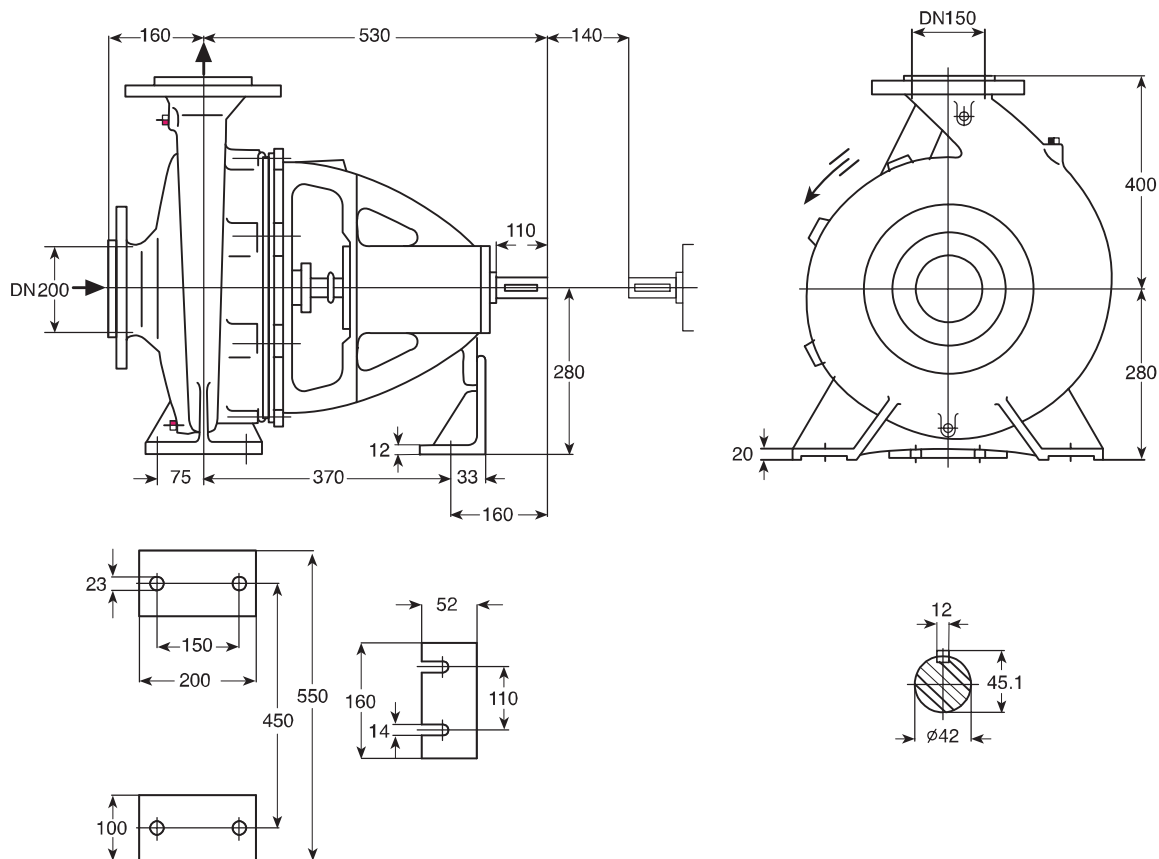
GENERAL SPECIFICATIONS OF CENTRIFUGAL PUMPS

Output size : 32 to 300 mm
Capacity : 5 to 1650 m³/h
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Operating temperature with
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Material are changeable on request.





RPM 1450	Capacity (m ³ /h)					Imp. Dia. (mm)	Pump Flange (mm)		Motor Characteristics			Pipe Dia. (Inch)	
	100	200	300	350	450		Inlet	outlet	Power		I	Inlet	outlet
									kW	HP	Amp		
Head (m)	33.5	33	30.5	28.5	22.5	319	200	150	37	50	70.5	**	***
	31.8	31	28.2	26.2	19.5	310			37	50	70.5		
	29.5	28.4	25.5	23	-	300			30	41	58.5		
	28	26.5	23	20	-	290			30	41	58.5		



GENERAL SPECIFICATIONS OF CENTRIFUGAL PUMPS

Output size : 32 to 300 mm
Capacity : 5 to 1650 m³/h
Head : 5 to 90 m
Operating temperature with
soft packed stuffing box : from -50°C to 110°C
Operating temperature with
mechanical seal : from -50°C to 140°C

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