

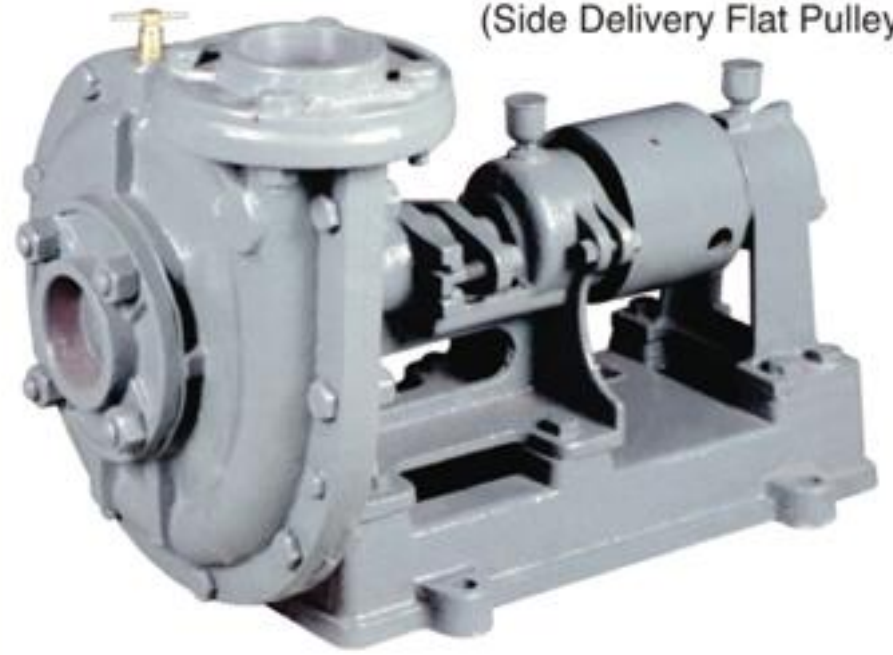


CENTRIFUGAL PUMPS

Type: SDV
(Side Delivery Vee Pulley)



Type: SDF
(Side Delivery Flat Pulley)



Type: CDLF
(Centre Delivery Loose Fast Pulley)



Type: CDF
(Centre Delivery Flat Pulley)



CHARACTERISTIC DATA

Pump Type	Pump Size m.m.	Pump Speed r.p.m.	Total Head in Metres										Recommended Prime Mover (Engine) kW (hp)	
			12	13	14	15	16	17	18	19	20	21		
CD/SD	62 x 50	1450							18	17	16	14	10	5.9 (8)
CD/SD	62 x 62	1450			20	19	17.5	16	14	12	10	6	5.9 (8)	
CD/SD	75 x 62	1450					30	29	27.5	26	24	20	8.8 (12)	
CD/SD	75 x 75	1450	33	32.5	32	31	29	27	24	21	16	-	8.8 (12)	
CD/SD	100 x 75	1450			36	34	32	29	26	22	16	-	8.8 (12)	
CD/SD	100 x 100	1450	48	46.5	45	43	41	39	36	33	28	20	11.0 (15)	
SD	125 x 100	1450			51	49	47	44.5	41.5	37.5	33		11.0 (15)	

NOTE : CD- CENTRAL DELIVERY TYPE, SD- SIDE DELIVERY TYPE



LISTER TYPE DIESEL ENGINES



TECHNICAL DATA

Sr. No.	Type (Model)		6/1	8/1	10/1	12/2	16/2
1	Maximum Gross	B.H.P.	6.6	8.8	11	13.2	17.6
2	Rated Hour Power	B.H.P.	6	8	10	12	16
3	Rated Speed	R.P.M.	650	850	1000	650	850
4	Cylinder Position		Vertical	Vertical	Vertical	Vertical	Vertical
5	No. of Cylinders		Single	Single	Single	Twin	Twin
6	Cy. Bore and Stroke	inch mm.	4 1/2 x 5 1/2 114.3 x 139.7	4 1/2 x 5 1/2 114.3 x 139.7	4.7245 x 5.5 120 x 1379.7	4 1/2 x 5 1/2 114.3 x 139.7	4 1/2 x 5 1/2 114.3 x 139.7
7	Flywheel Diameter and Face	inch mm.	Twin 23 5/8 x 3 1/2 600 x 89	Twin 23 5/8 x 3 1/2 600 x 89	Twin 20 1/4 x 3 3/4 514 x 95	Twin 23 5/8 x 3 1/2 600 x 89	Twin 23 5/8 x 3 1/2 600 x 89
8	Foundation Stud Hole Centre Distance	inch mm.	13 x 13 330 x 330	13 x 13 330 x 330	13 x 13 330 x 330	15 x 22 381 x 559	15 x 22 381 x 559
9	Crankshaft Centre-Distance from base	inch mm.	12 1/2 318	12 1/2 318	12 1/2 318	9 3/4 248	9 3/4 248
10	Minimum floor space required	inch mm.	36 x 48 915 x 1220	36 x 48 915 x 1220	36 x 48 915 x 1220	36 x 60 915 x 1525	36 x 60 915 x 1525
11	Engine Total Height	inch mm.	40 1016	40 1016	40 1016	38 965	38 965
12	Standard Pulley Dia. and face Alternative sizes	inch	8 x 7 10 x 7 12 x 7	8 x 7 10 x 7 12 x 7	8 x 7 10 x 7 12 x 7	10 x 9 12 x 9 14 x 9	10 x 9 12 x 9 14 x 9
13	Fuel consumption per B.H.P./HR.	at Full Load 3/4 Load 1/2 Load	0.43 lb. 0.197 Kg. 0.48 lb. 0.218 Kg. 0.56 lb. 0.252 Kg.	0.43 lb. 0.197 Kg. 0.48 lb. 0.218 Kg. 0.56 lb. 0.252 Kg.	0.43 lb. 0.197 Kg. 0.46 lb. 0.210 Kg. 0.54 lb. 0.243 Kg.	0.50 lb. 0.227 Kg. 0.53 lb. 0.240 Kg. 0.60 lb. 0.272 Kg.	0.50 lb. 0.227 Kg. 0.53 lb. 0.240 Kg. 0.60 lb. 0.272 Kg.
14	Lubrication Oil Consumption	Hours/pint. Hours/litre.	40 70	30 53	23 40	20 35	15 26
15	Weight of engine Bare Weight of engine Gross		704 Lb. 320 Kg. 759 Lb. 345 Kg.	748 lb. 340 Kg. 803 lb. 365 Kg.	792 lb. 360 Kg. 847 lb. 385 Kg.	1034 lb. 470 Kg. 1106 lb. 503 Kg.	1078 lb. 490 Kg. 1150 lb. 523 Kg.

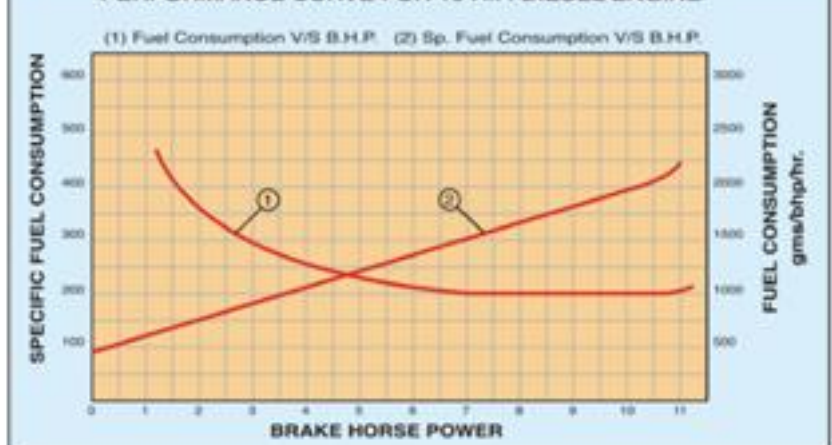
PRINCIPAL DIMENSION FOR 6/1-8/1 ENGINE

	A	B	C	D	E	F	G	H
Inches	5 1/2	13	35 1/2	12 1/2	13	23 5/8	1 1/2	40
mm.	140	330	902	318	330	600	38	1016

PRINCIPAL DIMENSION FOR 12/2-16/2 ENGINE

	A	B	C	D	E	F	G	H
Inches	5 1/2	22	49 1/2	9 3/4	15	23 5/8	1 1/2	38
mm.	140	559	1241	248	381	600	38	965

PERFORMANCE CURVE FOR 10 H.P. DIESEL ENGINE



SHIPPING DATA

Type		6 H.P.	8 H.P.	10/1 H.P.	12/2 H.P.	16/2 H.P.
Overall height	cms.	120	120	140	140	140
Gross Weight	Kgs.	474	492	512	673	693
Size of packing case	cms.	101x75x120	101x75x120	101x75x20	140x75x120	140x75x120
Cubic measurement	m3	0.90	0.90	0.90	1.26	1.26



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