



TS/FT SERIES

Centrifugal Pumps



PERFORMANCE AND WORKING LIMITS

Capacity up to 200 m³/h
Total head up to 82 m
Max.pressure 10 bar
Max.temperature 140 °C
Min.temperature -20 °C



THONG FATT JAYA MACHINERY HARDWARE SDN. BHD.

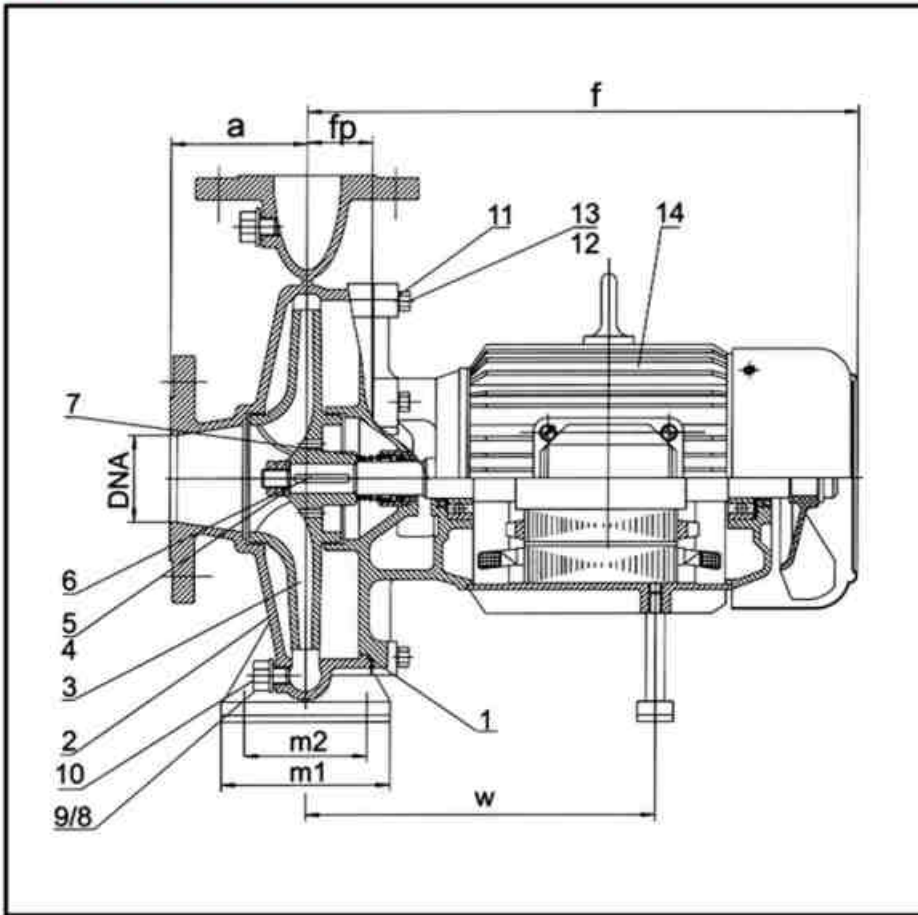
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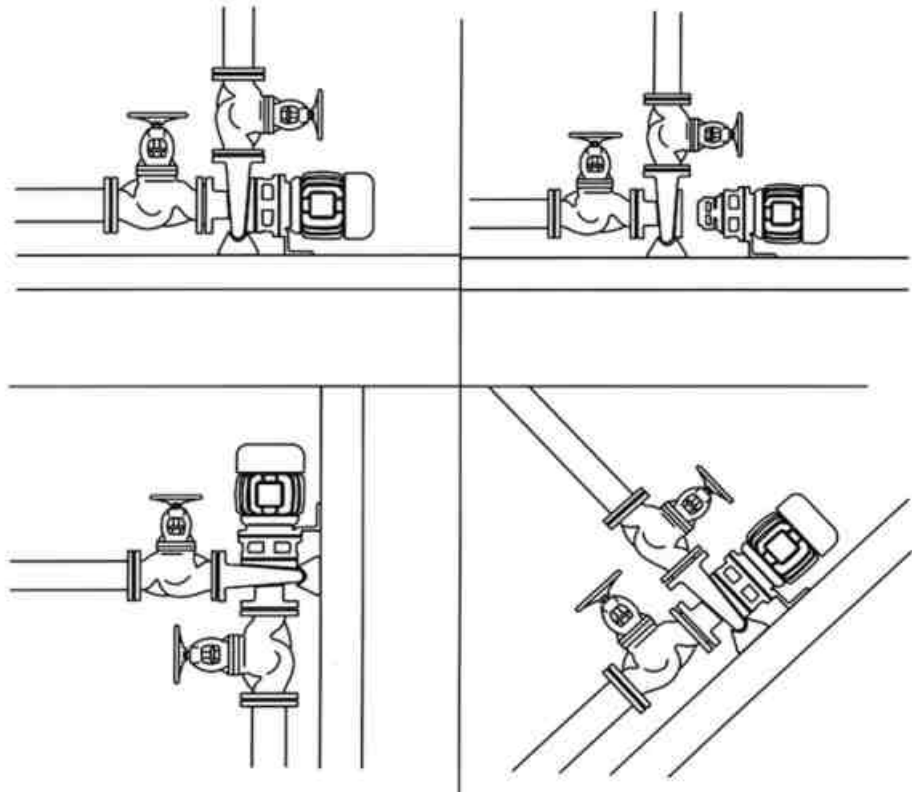
C.N.: ASP-A Section E01-02 / 050520042
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STRUCTURE CHART



ITEM	PARTS	MATERIAL
1	O'ring	NBR rubber
2	Pump body	Cast iron
3	Impeller	Cast iron
4	Nut	Steel
5	Washer	Steel
6	Key	Stainless steel
7	Mechanical	Various
8	O'ring	NBR rubber
9	Washer	Copper
10	Drain plug	Brass
11	Washer	Steel
12	Stud	Steel
13	Nut	Steel
14	Motor	Various

RECOMMENDED INSTALLATIONS



THREE PHASE INDUSTRY PUMP

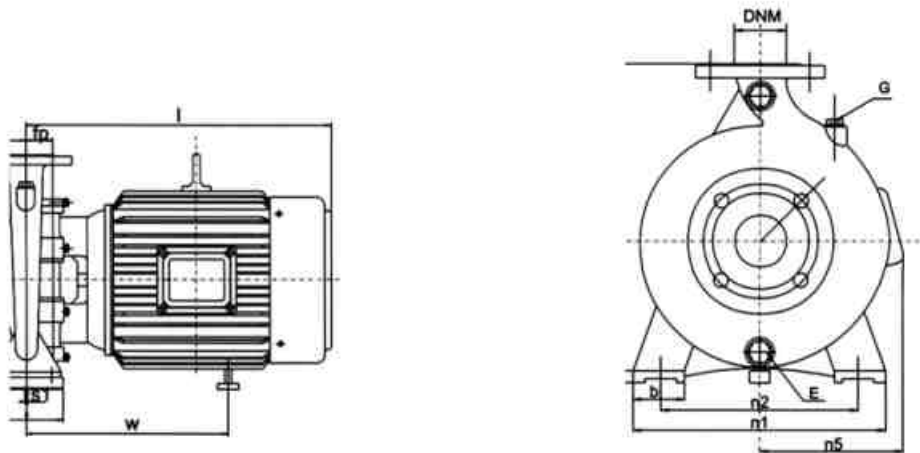
4 POLES MOTOR																			Weight Kg
TYPE	Mot.	Pump					Feet-Support								Vent. G	Drai. E			
		a	f	h1	h2	fp	b	c	m1	m2	n1	n2	n5	s			W		
32-161	0.75	80	329	132	160	45	50	15	100	70	240	190	150	14	210	1/4"	1/4"	40	
32-203	1	80	329												210			42	
32-201	1.5	80	344	160	180	39	50	15	100	70	240	190	155	14	219	1/4"	1/4"	45	
40-253	3	100	403	180	225	45	65	15	125	95	320	250	180	14	258	1/4"	1/4"	67	
40-251	4	100	403												258			70	
50-121	0.75	100	322	132	160	39	50	13	100	70	240	190	150	14	203	1/4"	1/4"	41	
50-163	1	100	329												210			43	
50-161	1.5	100	344	160	180	45	50	15	100	70	265	212	155	14	219	1/4"	1/4"	48	
50-203	2	100	376	160	200	49	50	15	100	70	265	212	155	14	239	1/4"	1/4"	52	
50-201	3	100	403	160	200	49	50	15	100	70	265	212	180	14	258	1/4"	1/4"	65	
50-253	4	100	403	180	225	45	50	15	125	95	320	250	180	14	258	1/4"	1/4"	72	
50-251	5.5	100	419	180	225	45	50	15	125	95	320	250	190	14	268	1/4"	1/4"	83	
65-201	4	100	403	180	225	49	65	15	125	95	320	250	180	14	258	3/8"	3/8"	70	
65-313	10	125	540	225	280	55	80	18	160	120	400	315	210	18	368	3/8"	3/8"	140	
65-311	20	125	620	225	280	55	80	18	160	120	400	315	255	18	368	3/8"	3/8"	153	
80-163	2	125	382	180	225	52	65	15	125	95	320	250	155	14	245	3/8"	3/8"	63	
80-161	3	125	440	180	225	52	65	15	125	95	320	250	180	14	295	3/8"	3/8"	69	
80-253	7.5	125	495	200	280	50	80	17	160	120	400	315	210	18	314	3/8"	3/8"	117	
80-251	10	125	533	200	280	50	80	17	160	120	400	315	210	18	333	3/8"	3/8"	132	
100-203	5.5	125	453	200	280	49	80	17	160	120	360	280	190	18	302	1/2"	1/2"	105	
100-201	7.5	125	502	200	280	49	80	17	160	120	360	280	210	18	321	1/2"	1/2"	120	

PERFORMANCE

4 POLES 50 Hz

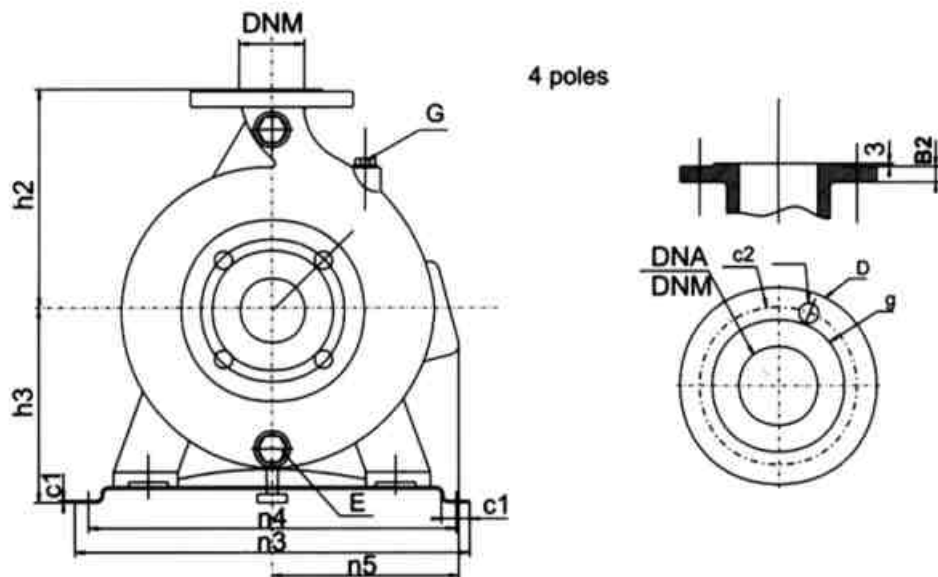
TYPE	Motor Power (HP)	RPM	CAPACITY																						
			m ³ /h	2	4	6	8	10	12	14	16	20	25	30	35	40	50	60	70	80	90	100	120	140	160
			l/s	33	66	100	133	166	200	233	266	333	416	500	583	666	833	1000	1166	1330	1500	1666	2000	2333	2666
32-161	0.75	1380	7.9	7.9	7.9	7.8	7.6	7.1	6.5	5.9															
32-203	1	1380	9.9	9.9	9.85	9.8	9.6	9.2	8.7	7.9															
32-201	1.5	1410	12.5	12.5	12.5	12.4	12.3	12	11.5	10.8	9.4														
40-253	3	1420	17.6	17.6	17.6	17.6	17.4	17.1	16.8	16	14.7	13													
40-251	4	1430	22	22	22	22	21.9	21.6	21.1	20.5	19.3	17.5													
50-121	0.75	1380				4.35	4.3	4.25	4.15	4	3.7	3.3	2.8												
50-163	1	1380							5.95	5.75	5.3	4.7	4.1	3.3											
50-161	1.5	1410							8.2	8.1	7.8	7.2	6.5	5.6	4.5										
50-203	2	1415							9.9	9.5	8.8	7.8	6.3												
50-201	3	1425							12.6	12.4	11.7	10.8	9.7	7.6											
50-253	4	1430							18	17.8	17.4	16.9	15.5	13.3											
50-251	5.5	1430							22	21.8	21.5	21	20.1	18.4	12.7										
65-201	4	1430							13.2	13.1	13	12.9	12.6	12.2	11.4	10.4	8.7								
65-313	10	1435												27.5	26.6	24.5	21.9								
65-311	20	1440												37.3	37.2	36.7	35.7	34	31.6	28.9					
80-163	2	1415												7.3	7.2	7.1	6.6	6.1	5.3	4.3					
80-161	3	1425												9.8	9.7	9.5	9.2	8.6	8	7.1	5.9				
80-253	7.5	1440														18.8	18.5	18	17.4	16.4	15.3				
80-251	10	1435														23	22.7	22.2	21.7	21	20	18.3			
100-253	5.5	1430															9.9	9.6	9.3	9.1	8.8	8.1	6.7		
100-251	7.5	1440															13	12.9	12.6	12.2	11.9	11	10	9.2	

▲ For intermittent duty only



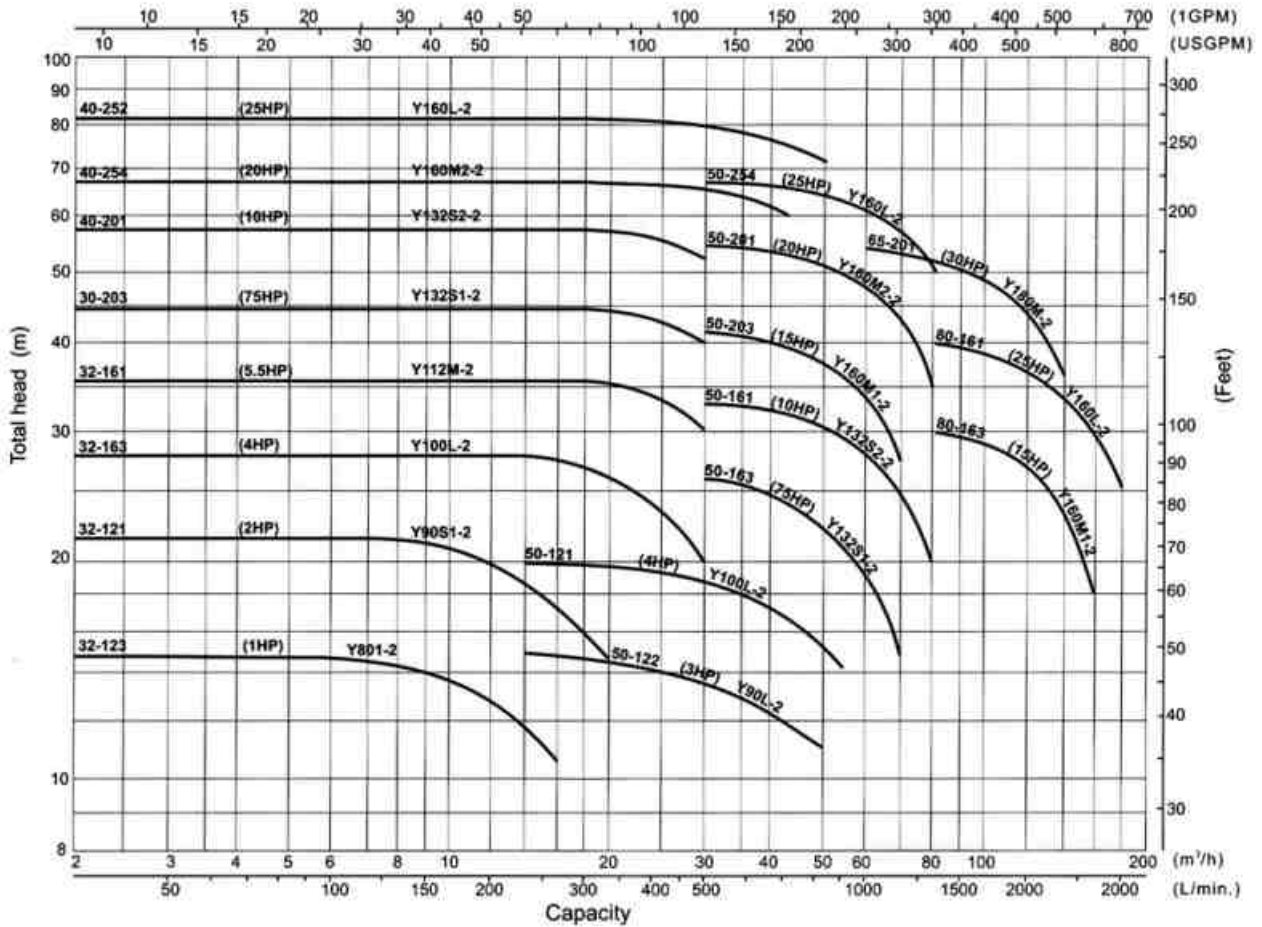
FLANGES

TYPE	FLANGES(N.P.16 UNI2223)													
	Suction							Discharge						
	DNA	D	c2	g	n	x	b2	DNM	D	c2	g	n	x	b2
32-12 32-16 32-20	50	165	125	102	4	18	17	32	140	100	78	4	18	15
40-25	65	185	145	122	4	18	17	40	150	110	88	4	18	15
50-12 50-16 50-20 50-25	65	185	145	122	4	18	17	50	165	125	102	4	18	17
65-20 65-31	80	200	160	138	8	18	19	65	185	145	122	4	18	17
80-16 80-25	100	220	180	158	8	18	19	80	200	160	138	8	18	19
100-20	125	210	210	188	8	18	21	100	220	180	158	8	18	19



CHARACTERISTIC CURVES

2 POLES 50 Hz



CHARACTERISTIC CURVES

4 POLES 50 Hz

