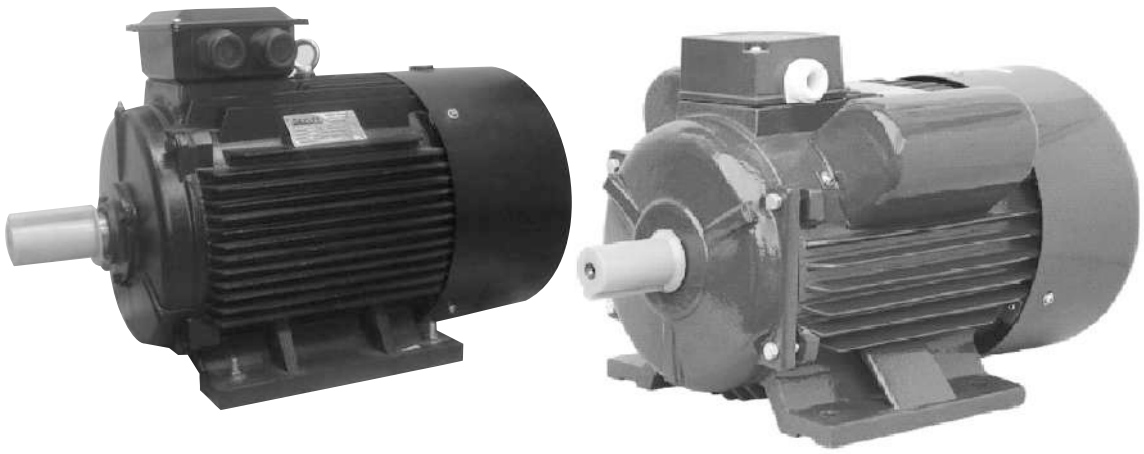
DAYLIFF

DATA SHEET INDUCTION MOTORS



DAYLIFF TEFC squirrel cage induction motors are high specification continuous duty rated machines suitable for a wide variety of industrial, commercial and agricultural applications. A particular feature is high operating efficiency with the specification meeting the demanding IE3 standards, other features including Class F insulation, low noise, high starting torque and all dimensions are fully compliant to IEC standards. DAYLIFF motors are also of extremely robust design providing high levels of serviceability and reliability.

DAVIS & SHIRTLIFF

Specifications

Voltage: - 1x240V,1phase,3x415V, 3 phase, 50Hz

Insulation Class: F

Enclosure Class:- IP45 motor body, IP55 terminal box

Maximum Ambient Temperature:- 40°C

Connection:- Y Star for 3kW and below

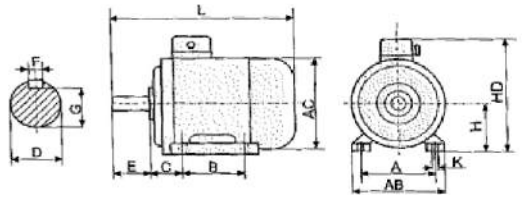
Δ Delta for 4kW and above

PUMP DATA

Power kW	Power HP	Voltage (V)	Max Current(A)	Speed rpm	Max Eff %	Power Factor	$\frac{I_{stat}}{I}$	$\frac{Torque_{stat}}{Torque_{rated}}$	$\frac{Torque_{max}}{Torque_{rated}}$
0.75	1	1x240	6.7	2880	68	0.75	6.5	2.4	1.8
1.1	1.5		7.2		73	0.95	6	2.8	
1.5	2		8.9		79	0.97	7	3	
2.2	3		13.2			0.96	6.5		
4	5.5	3x415	7.85	1440	88.6	0.8	7.5	2.3	2.3
5.5	7.5		10.4	1450	89.6	0.82	7.8		
7.5	10		13.9		90.4	0.83	7.4		
11	15		20	1465	91.4	0.84	7	2.2	
2.2	3		4.4	2840	81	0.88	7.5		
4	5.5		7.5	2890	85				
5.5	7.5		10.1	2900	86				
7.5	10		13.6		87				
11	15		19.5	2930	88	0.89			
15	20		26.4		89				
18.5	25		31.8		90	0.9			
22	30		37.5	2940	91			2	
30	40		50.8	2930					
37	50		62.2	2950	92				
45	60		74.2						
55	75		90.4		93				

MOTOR DIMENSIONS & WEIGHTS

Power kW	Power HP	A	B	C	D	E	F	G	H	K	AB	AC	HD	L	Wt (kg)
		Dimensions (mm)													
0.75	1	125	100	50	19	40	6	15.5	80	10	160	165	200	310	13
1.1	1.5	140		56	24	50	9	20	90		180	185	240	355	17
1.5	2		125											385	22
2.2	3						8					195	250	345	23
4	5.5	190	140	70	28	60		24	112	12	236	216	293.5	441.5	
5.5	7.5	216		89	38	80	10	33	132		267	255	339.5	465	
7.5	10		178											503	
11	15	254	210	108	42	110	12	37	160	15	314	313	407	617	
2.2	3	160	140	63	28	60	9	24	100	12	205	220	260	415	29
4	5.5	190		70			8		112		230	240	300	400	40
5.5	7.5	216		89	38	80	10	33	132		270	275	345	470	58
7.5	10													503	62
11	15	254	210	108	42	110	12	37	160	15	320	330	420	615	106
15	20						14	43	180					670	117
18.5	25		254											670	134
22	30	279	241	121	48						355	380	455	700	160
30	40	318	305	133	55		16	49	200	19	395	420	505	770	223
37	50													776	238
45	60	356	311	149					225		435	470	560	820	294
55	75	406	349	168	60	140	18	53	250	24	490	510	615	910	310



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