

YLV Series Low-voltage Medium Size Three Phase Induction Motors



- Frame sizes: 400 to 450 Rated output: 185 to 800kW
- Voltage: 380V Frequency: 50Hz
- Poles: 2, 4, 6, 8, 10, 12 Insulation class: F
- Duty Cycle: S1 Degree of protection: IP55

Applications: Used for driving the equipment of the petroleum industry, chemistry industry, metallurgy industry, paper making, etc.

Features: Beautiful appearance, low noise, small vibration, F insulation class, IP54 or IP55 protection class.

Circumstance: Altitude not exceeds 1000m above sea level. The highest ambient temperature shall be no higher than 40°C.

Performance Data

380V 50Hz

Model	Output kW	FLA	RPM	Eff. $\eta\%$	Power Factor	FLT N.m	$\frac{LRT}{FLT} \frac{Tst}{T_N}$	$\frac{LRA}{FLA} \frac{Ist}{I_N}$	$\frac{BDT}{FLT} \frac{Tmax}{T_N}$	dB(A)
Synchronous speed 3000r/min										
YLV400-1-2	355	614	2980	95.5	0.92	1138	1.6	7.0	2.0	111
YLV400-2-2	400	691	2980	95.6	0.92	1282	1.6	7.0	2.0	111
YLV400-3-2	450	777	2980	95.6	0.92	1442	1.6	7.0	2.0	111
Synchronous speed 1500r/min										
YLV400-1-4	355	628	1490	95.5	0.90	2275	1.65	6.9	2.4	108
YLV400-2-4	400	706	1490	95.6	0.90	2563	1.65	6.9	2.4	108
YLV400-3-4	450	786	1490	95.6	0.91	2884	1.7	6.9	2.4	108
YLV400-4-4	500	873	1490	95.6	0.91	3205	1.7	6.9	2.4	108
YLV400-5-4	560	977	1490	95.7	0.91	3589	1.7	6.9	2.3	111
YLV450-1-4	630	1099	1490	95.7	0.91	4037	1.5	7.0	2.3	111
YLV450-2-4	710	1239	1490	95.7	0.91	4551	1.5	7.0	2.3	111
YLV450-3-4	800	1396	1490	95.7	0.91	5127	1.5	7.0	2.3	111
Synchronous speed 1000r/min										
YLV400-1-6	280	521	990	94.9	0.86	2701	1.9	7.0	2.3	105
YLV400-2-6	315	586	990	95.0	0.86	3039	1.9	7.0	2.3	105
YLV400-3-6	355	660	990	95.0	0.86	3424	1.9	7.0	2.3	105
YLV400-4-6	400	735	990	95.0	0.87	3859	1.9	7.0	2.3	105
YLV400-5-6	450	827	990	95.0	0.87	4341	1.9	7.0	2.3	105

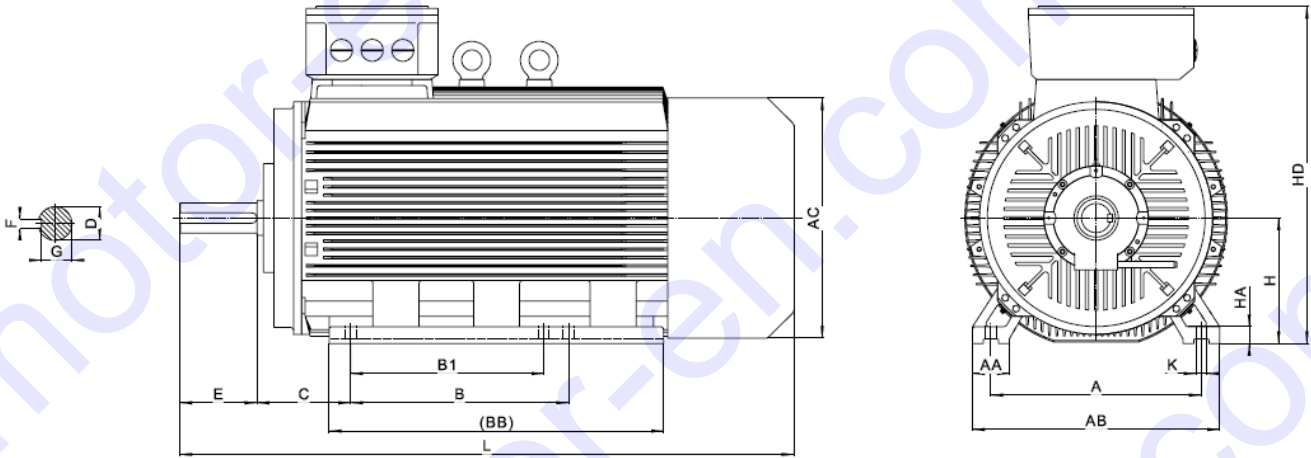
Performance Data

380V 50Hz

Model	Output kW	FLA	RPM	Eff. $\eta\%$	Power Factor	FLT N.m	$\frac{LRT}{FLT} \frac{Tst}{T_N}$	$\frac{LRA}{FLA} \frac{Ist}{I_N}$	$\frac{BDT}{FLT} \frac{Tmax}{T_N}$	dB(A)
Synchronous speed						1000r/min				
YLV450-1-6	500	919	990	95.0	0.87	4823	1.6	7.0	2.3	105
YLV450-2-6	560	1026	990	95.3	0.87	5402	1.6	6.8	2.3	108
YLV450-3-6	630	1155	990	95.3	0.87	6077	1.7	6.8	2.3	108
Synchronous speed						750r/min				
YLV400-1-8	220	431	745	94.6	0.82	2820	1.8	6.8	2.0	99
YLV400-2-8	250	490	745	94.6	0.82	3205	1.8	6.8	2.0	102
YLV400-3-8	280	548	745	94.6	0.82	3589	1.8	6.8	2.3	102
YLV400-4-8	315	610	745	94.6	0.83	4038	1.8	6.8	2.3	102
YLV400-5-8	355	687	745	94.6	0.83	4551	1.8	6.8	2.3	102
YLV450-1-8	400	774	745	94.6	0.83	5128	1.6	6.8	2.3	102
YLV450-2-8	450	869	745	94.8	0.83	5769	1.7	6.8	2.3	102
YLV450-3-8	500	966	745	94.8	0.83	6409	1.8	6.8	2.3	102
Synchronous speed						600r/min				
YLV400-1-10	185	396	595	93.5	0.76	2969	1.6	6.0	1.8	97
YLV400-2-10	200	427	595	93.7	0.76	3210	1.6	6.0	1.8	97
YLV400-3-10	220	469	595	93.7	0.76	3531	1.6	6.0	1.9	97
YLV400-4-10	250	533	595	93.7	0.76	4013	1.6	6.0	1.9	100
YLV400-5-10	280	597	595	93.8	0.76	4494	1.6	6.0	1.9	100
YLV450-1-10	315	663	595	93.8	0.77	5056	1.6	6.5	1.9	100
YLV450-2-10	355	745	595	94.0	0.77	5698	1.7	6.5	2.1	100
YLV450-3-10	400	840	595	94.0	0.77	6420	1.7	6.5	2.1	100
Synchronous speed						500r/min				
YLV400-1-12	185	488	495	92.9	0.62	3569	1.6	5.5	2.0	97
YLV400-2-12	200	528	495	92.9	0.62	3859	1.6	5.5	2.0	97
YLV400-3-12	220	562	495	93.0	0.64	4244	1.6	5.5	2.0	100
YLV450-1-12	250	638	495	93.0	0.64	4823	1.6	6.0	2.0	100
YLV450-2-12	280	713	495	93.2	0.64	5402	1.6	6.0	2.1	100
YLV450-3-12	315	790	495	93.2	0.65	6077	1.6	6.0	2.1	100

Dimensions & Mounting

mm



Frame	poles	Mounting Dimension										Overall Dimension						
		A	B	B1	C	D	E	F	G	H	K	AA	AB	AC	BB	HA	HD	L
400	2	686	710	630	280	85	170	22	76	400	35	140	820	890	1100	45	1160	1900
	4~12					120	210	32	109									1950
450	4~12	800	1120	790	280	130	250	32	119	450	42	155	950	960	1460	50	1400	2350

Dimensions here are indicative only. Actual product may differ. Data above may be changed without prior notice.