



# DATA SHEET

## JEMCO



الکتروموتور ۴۵ کیلووات ۳۰۰۰ دور ماشینهای الکتریکی جوبین (جمکو)

**Subject: Low voltage squirrel cage induction motors**

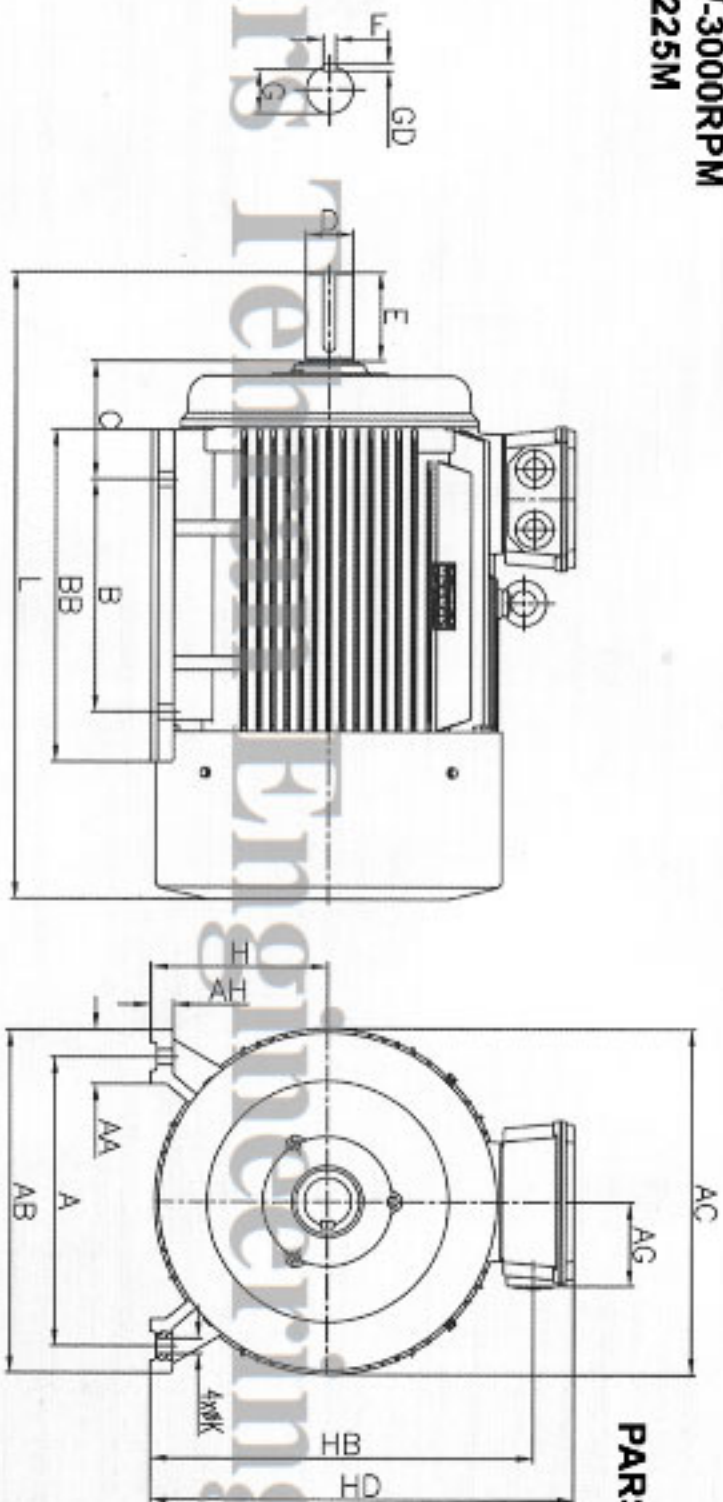
Customer			Manufacturer <b>Jemco</b>						
Motor Type		YD1221-2AO		Average sound pressure level	No load	load			
Frame Size	225M	Number of poles	2						
Mounting design	IM B3	Type of encloser	IP-55	Direction of rotation both <input type="checkbox"/> CW <input type="checkbox"/> CCW <input type="checkbox"/>					
EX-Protective system	safe	Bearing DE/NDE		6313-c3/6313-c3					
Duty type	S1	Starting	Lubrication Li Base Grease						
Ambient Temperature	40 C		Type of lubrication K3N Din 51825						
Thermal classification	F	Tempertur rise	B	typical Test IEC60034-1					
Term motor protection	optional		outline dimention drawing No. available						
Retad output	45 KW			Location of Terminal Box top					
rated voltage	380V		Number of terminals 6						
connection	DELTA		space heater optional						
Ferquency	50 HZ.	speed	2968 rpm	Net weight approx. 304 Kg					
Rated current	84 A		painting RAL 7032						
Starting Current	(I <sub>A</sub> /I <sub>N</sub> ) 7		Ternal Protection optional						
Power Factor	4/4	3/4	1/2	Additional Sensor optional					
	0.89			Frame Material cast iron					
Efficiency	4/4	3/4	1/2	Additional data and remarks: 1- permisslbie percentage Voltage imbalance not greater than 1% 2- Cold Starting per Hour(3) 3- Hot Starting per Hour(2) 4- Maximum Hot starting Time not more than 60 second 5- Maximum cold Time not more than 80 second					
	91.5								
Rated torque	(T <sub>N</sub> )		145 Nm						
starting torque	(T <sub>s</sub> /T <sub>N</sub> )=		2.2						
Break-down torque	(T <sub>max</sub> /T <sub>N</sub> )=		2.8						
Rotor class/material	squirrel cage		Aluminium						
Rotor voltage	Rotor current								
Moment of inertia	0.229Kgm2								
cooling method	IC411								
altitude of instalation	1000m								
	Date	Name	Tolerances acc. To		NO.				
Designed									
checked									

# YD1221-2A0

45KW-3000RPM  
225M



PARS TEHRAN ENG. CO.



For motor

Dimension symbols to

Frame size	Type NO.	poles	H	A	B	C	D	E	F	G	GD	K	AA	AB	BB	AC	AG	HA	HD	L	HB
225M	YD1221-2A0	2	225	356	311	149	55	110	16	59	10	18.5	75	431	393	446	116	28	552	807	497

