



# DATA SHEET

## JEMCO



الکتروموتور ۴۵ کیلووات ۱۵۰۰ دور ماشینهای الکتریکی جوین (جمکو)

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

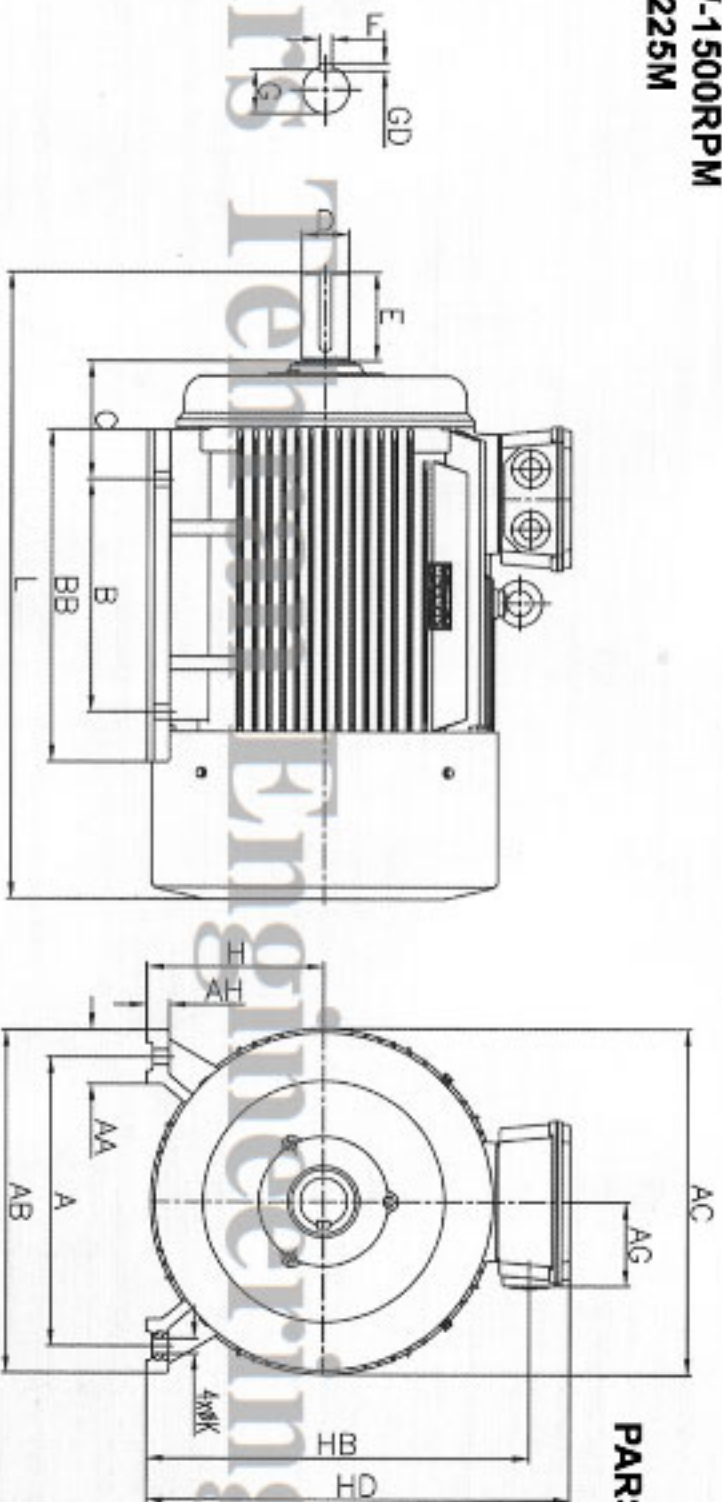
Customer			Manufacturer <b>Jemco</b>			
Motor Type		YD1222-4AO		Average sound pressure level	No load	load
Frame Size	225M	Number of poles	4			
Mounting design	IM B3	Type of encloser	IP55	Direction of rotation both <input type="checkbox"/> CW <input type="checkbox"/> CCW <input type="checkbox"/>		
EX-Protective 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			45KW		Location of Terminal Box top	
rated voltage		380V		Number of terminals 6		
connection		DELTA		space heater optional		
Ferquency		50 HZ.	speed	1475 rpm	Net weight approx. 340 Kg	
Rated current		84 A		painting RAL 7032		
Starting Current		(I <sub>A</sub> /I <sub>N</sub> )		7	Termal Protection optional	
Power Factor	4/4	3/4	1/2	Additional Sensor optional		
	0.9			Frame Material cast iron		
Efficiency	4/4	3/4	1/2			
	92.5					
Rated torque		(T <sub>N</sub> )	290 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		0.540Kgm2				
cooling method		IC411				
altitude of instalation		1000m				
			Tolerances acc. To		NO.	
Designed		Date	Name			
checked						

- 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

# YD1222-4A0

45KW-1500RPM  
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	YD1222-4A0	4	225	356	311	149	60	140	18	64	11	18.5	75	431	393	446	116	28	552	837	497

