



# DATA SHEET

## JEMCO



الکتروموتور ۹۰ کیلووات ۳۰۰۰ دور ماشینهای الکتریکی جوین (جمکو)

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

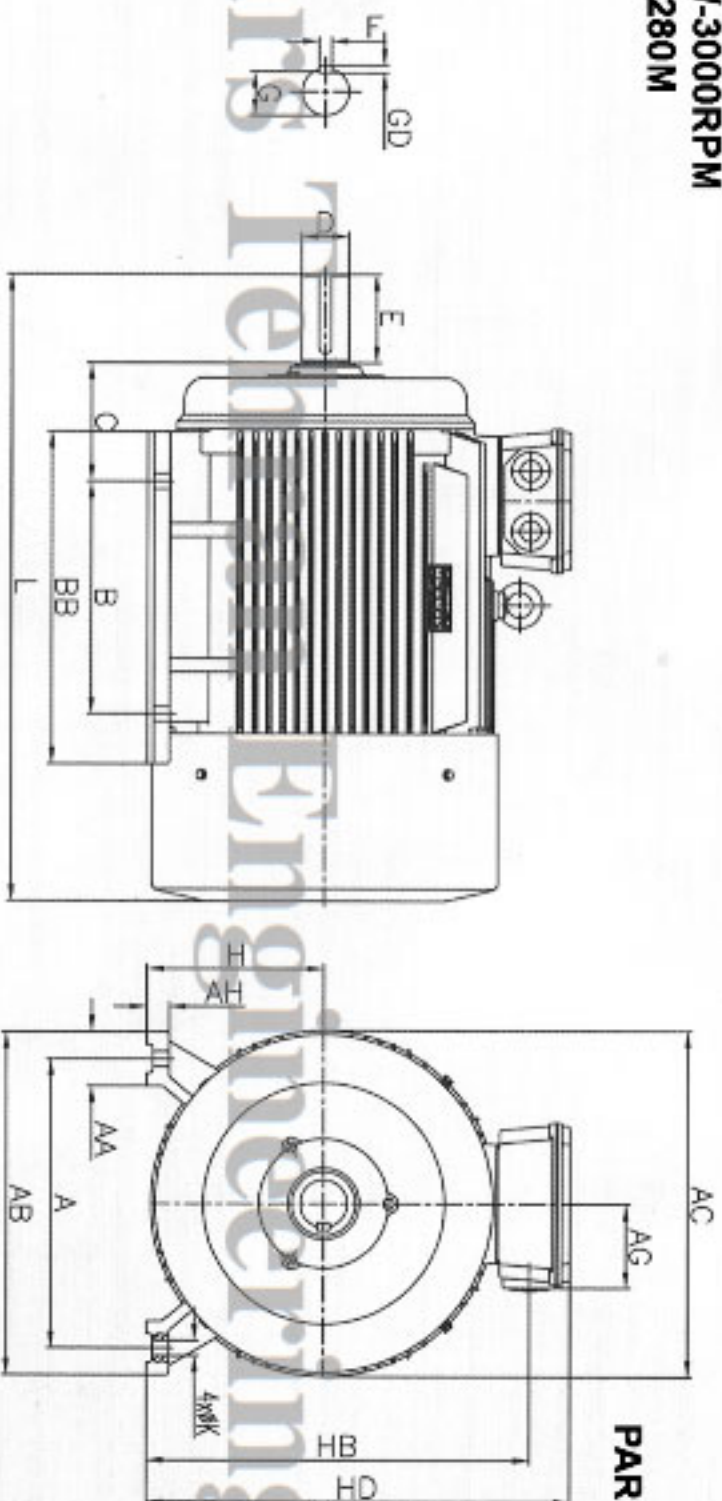
Customer			Manufacturer <b>Jemco</b>					
Motor Type		YD1282-2AO		Average sound pressure level	No load	load		
Frame Size	280M	Number of poles	2					
Mounting design	IM B3	Type of encloser	IP-55	Direction of rotation both <input type="checkbox"/> CW <input type="checkbox"/> CCW <input type="checkbox"/>				
EX-Protective system	safe	Bearing DE/NDE		6314-c3/6314-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	90 KW		Location of Terminal Box top					
rated voltage	380V		Number of terminals 6					
connection	DELTA		space heater optional					
Ferquency	50 HZ.	speed	2981 rpm	Net weight approx. 600 Kg				
Rated current	166 A		painting RAL 7032					
Starting Current	$(I_A/I_N)$		7	Ternal Protection optional				
Power Factor	4/4	3/4	1/2	Additional Sensor optional				
	0.91	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				
	92.5							
Rated torque	$(T_N)$		288 Nm					
starting torque	$(T_s/T_N)=$		2.2					
Break-down torque	$(T_{max}/T_N)=$		2.8					
Rotor class/material	squirrel cage		Aluminium					
Rotor voltage	Rotor current							
Moment of inertia	0.956Kgm2							
cooling method	IC411							
altitude of instalation	1000m							
	Date	Name	Tolerances acc. To		NO.			
Designed								
checked								

# YD1282-2A0

90KW-3000RPM  
280M



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
280M	YD1282-2A0	2	280	457	419	190	65	140	18	69	11	24	85	542	581	547	133	35	669	1047	605

