



# DATA SHEET JEMCO



الکتروموتور ۷۵ کیلووات ۱۵۰۰ دور ماشینهای الکتریکی جوبین (جمکو)

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

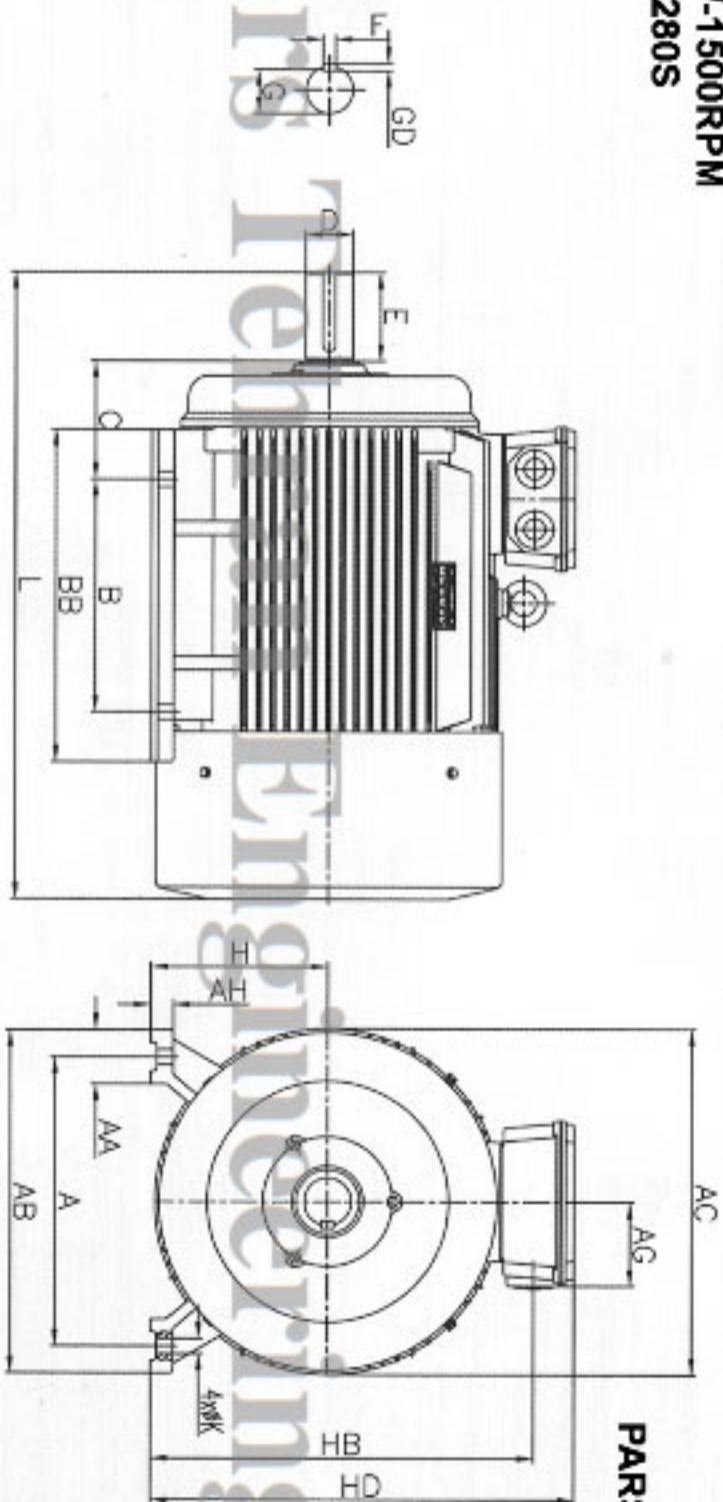
Customer		Manufacturer		Jemco			
Motor Type		YD1281-4AO		Average sound pressure level	No load	load	
Frame Size	280S	Number of poles	4				
Mounting design	IM B3	Type of encloser	IP-55	Direction of rotation			both <input type="checkbox"/> CW <input type="checkbox"/> CCW <input type="checkbox"/>
EX-Protective system	safe	Bearing DE/NDE		6317-c3/6317-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 dimation drawing No.		available			
Retad output	75 KW		Location of Terminal Box		top		
rated voltage	380V		Number of terminals		6		
connection	DELTA		space heater		optional		
Ferquency	50 HZ.	speed	1487 rpm	Net weight approx.		529 Kg	
Rated current	137 A		painting		RAL 7032		
Starting Current	(I <sub>s</sub> /I <sub>N</sub> )		7.24844		Thermal Protection		optional
Power Factor	4/4	3/4	1/2	Additional Sensor			optional
	0.88			Frame Material			cast iron
Efficiency	4/4	3/4	1/2				
	93.5%						
Rated torque	(T <sub>N</sub> )	482 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		Additional data and remarks:			
Rotor voltage	Rotor current		1- permisslbie percentage Voltage imbalance not greater than 1%				
Moment of inertia	1.352 Kgm2		2- Cold Starting per Hour(3)				
cooling method	IC411		3- Hot Starting per Hour(2)				
altitude of instalation	1000m		4- Maximum Hot starting Time not more than 60 second				
	Date	Name	Tolerances acc. To		NO.		
Designed							
checked							

# YD1281-4A0

75KW-1500RPM  
280S



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
280S	YD1281-4A0	4	280	457	368	190	75	140	20	79.5	12	24	85	542	525	547	133	35	669	991	605

