

PRODUCT INFORMATION PACKET

Model No: 056H17T2020
Catalog No: Y375
1/2, 1800, TENV, 56C, 3/60/575
1000:1 Speed Ratio



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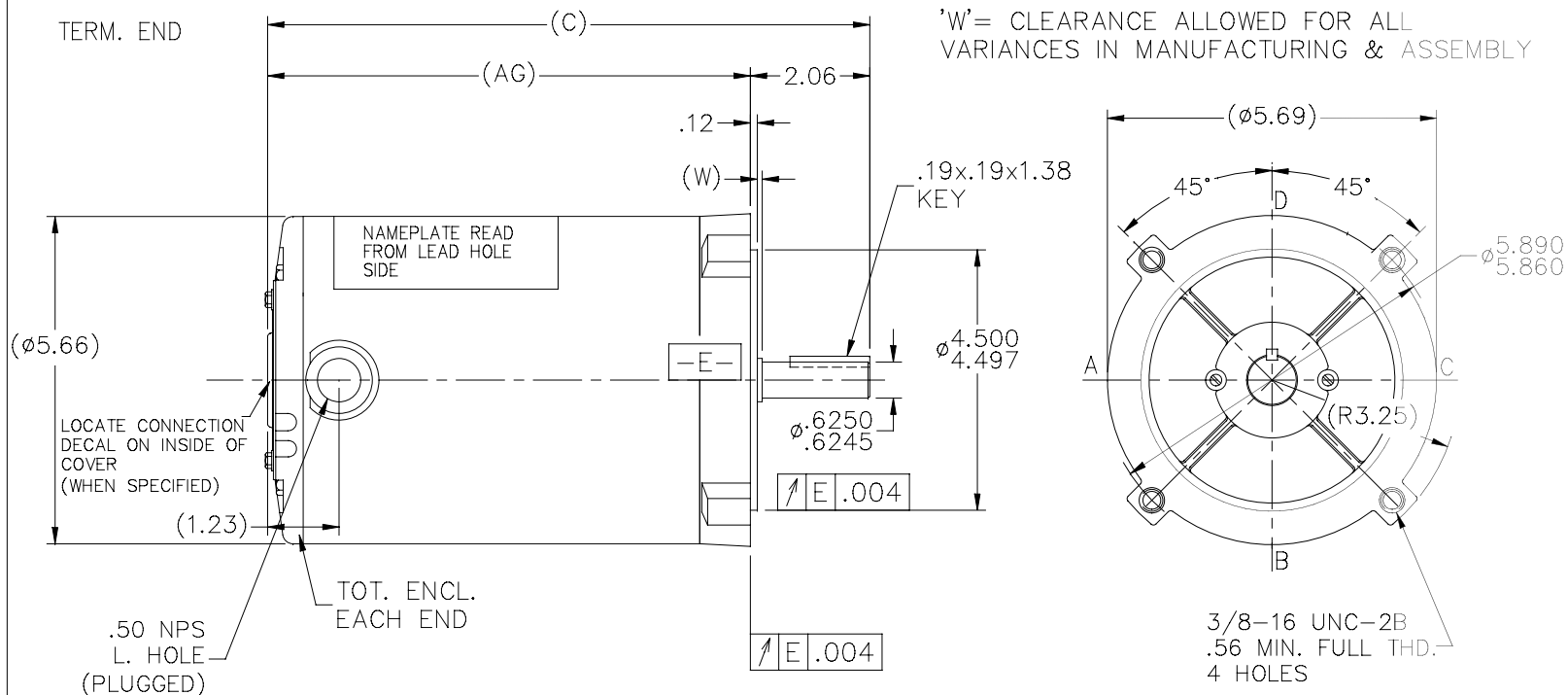
Nameplate Specifications

Output HP	0.50 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	575 V
Current	0.70 A	Speed	1725 rpm
Service Factor	1	Phase	3
Efficiency	74 %	Duty	Continuous
Insulation Class	H	Design Code	INV
KVA Code	N	Frame	56C
Enclosure	Totally Enclosed Non Ventilated	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6203
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	Y
IP Code	43		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	4	Rotation	Reversible
Mounting	Round	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	NEMA 56
Overall Length	9.91 in	Frame Length	6.25 in
Shaft Diameter	0.625 in	Shaft Extension	2.06 in
Assembly/Box Mounting	F1 Only		
Outline Drawing	A-SS400214-625	Connection Diagram	A-EE7300HX

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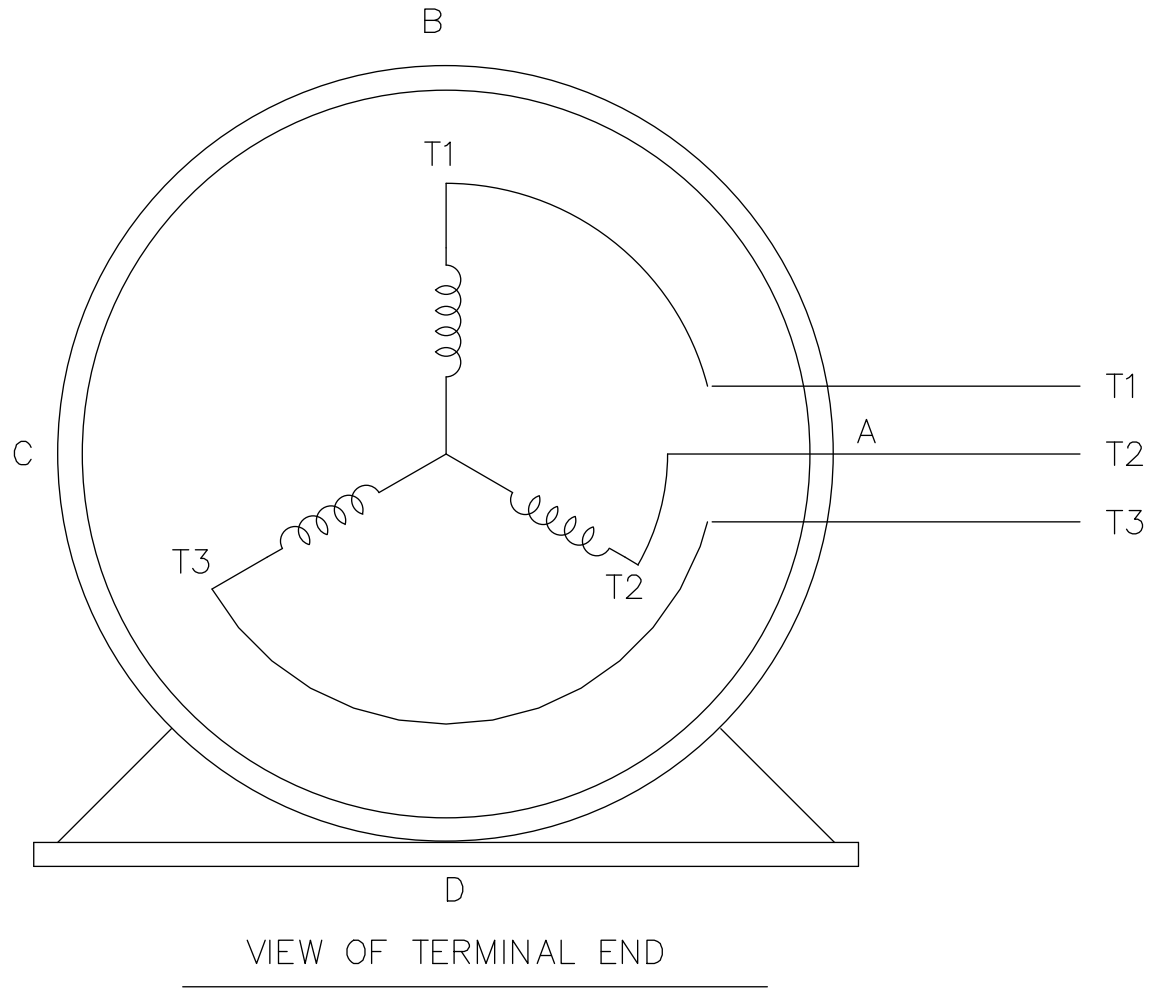


DASH		C	AG		DASH		C	AG		DASH		C	AG	
525	10-20-2004	8.91	6.85											
550	01-16-2002	9.16	7.10		650		10.16	8.10		725		10.91	8.85	
600		9.66	7.60		675		10.41	8.35		750		11.16	9.10	
625		9.91	7.85		700		10.66	8.60		775		11.41	9.35	

6	CONNECTION DECAL NOTE ADDED PER ECO-0089570	KIR 11/26/15	KK	TOLERANCES UNLESS SPECIFIED		DRAWN BRH 05-17-1996
5	REVISED "C" & "AG" DIMS ISAAC10-2047	TJW 7/27/2010	CTO	DEC. INCHES		CHK ML 05-21-1996
4	ADDED DASH 525 MU62602	RJW 10-20-2004	MJS	.X ±.1	TITLE OUTLINE 56C FR. - TENV	APPD SAT 05-21-1996
3	REDRAWN IN AUTOCAD	TAT 07-06-2004	ML	.XX ±.03		SCALE 3=8
2	REVISED NAMEPLATE LOCATION CN 34681	NJS 02-19-2002		.XXX ±.005	MAT'L. FINISH	REF
1	NEW DRAWING 4397198	BRH 05-24-1996		.XXXX ±.0005		FMF
NO.	REVISION	BY & DATE	CHK	ANG ±'30"		PREV
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						PAGE 3 OF 6
						REV. 6

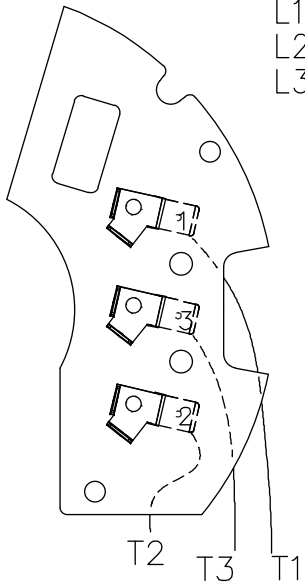
THREE PHASE – SINGLE VOLTAGE MOTOR

TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS



TERMINAL BOARD
WHEN SPECIFIED

L1 TO 1
L2 TO 2
L3 TO 3



NO.	REVISION	BY & DATE	CHK	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN NJS 06-18-2001			
				DEC.	INCHES			CHK	ML 06-19-2001	
				.X	±.1		APPD GK 06-19-2001			
3	UPDATED TERMINAL BOARD COMMENT	UD 11/12/13	BV	.XX	±.02	TITLE CONNECTION DIAGRAM SINGLE VOLT – 3Ø MOTOR	SCALE 1=1			
2	REDRAWN IN AUTOCAD	TAT 08-02-2004	ML	.XXX	±.005		REF			
1	NEW DRAWING	MU37179 NJS 06-19-2001		.XXXX	±.0005	MAT'L.	FMF			
				ANG	±7'30"		PREV			
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				DIST						

CERTIFICATION DATA SHEET

Model#: 56H172020 A WINDING#: TE484119 NONE 4
 CONN. DIAGRAM: A-EE7300HX ASSEMBLY: F1 ONLY
 OUTLINE: A-SS400214-625

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2	.37	1800	1725	56C	TENV	N	INV

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	.7	INVERTER ONLY	CONTINUOUS	H1	1.0	40	3300

FULL LOAD EFF: 74	3/4 LOAD EFF: 70.3	1/2 LOAD EFF: 63	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 69	3/4 LOAD PF: 59.8	1/2 LOAD PF: 48.6	72	SQ CAGE INV DUTY	.6

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
1.5 LB-FT	5.8	6.89 LB-FT 459	8.24 LB-FT 549	85

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
60 dBA	70 dBA	0.055 LB-FT^2	0 LB-FT^2	10 SEC.	0	25 LBS.

EQUIVALENT WYE CKT.PARAMETERS (OHMS PER PHASE)

R1	R2	X1	X2	XM
17.01	15.5925	19.2213	10.206	390.0393
RM	ZREF	XR	TD	TD0
12984.3	567	1.43	0.0038	0.068

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLACK (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

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INVERTER TORQUE: CONSTANT 1000:1
INV. HP SPEED RANGE: 2.0 X BASE SPEED
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE

NONE	P/N	NONE	
NONE	NONE		
NONE FT-LB	NONE V	NONE Hz	

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FORM 3531 REV.3 02/07/99
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