

PRODUCT INFORMATION PACKET

Model No: 056H17T2015
Catalog No: Y504
1/2, 1800, TENV, 56C, 3/60/230
1000:1 Speed Ratio



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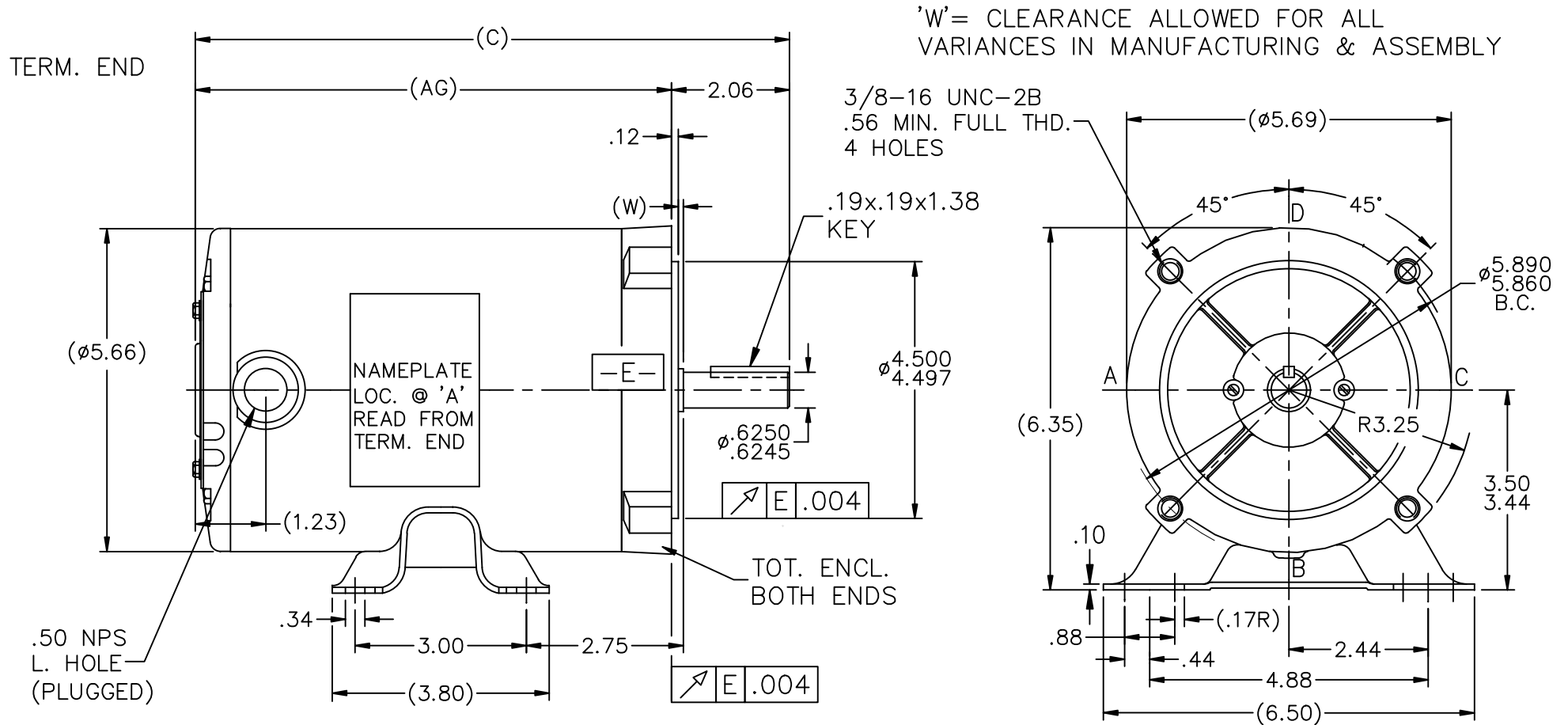


Nameplate Specifications

Output HP	0.50 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	230 V
Current	1.8 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	Rigid base	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-SS403144-625	Connection Diagram	A-EE7300HX

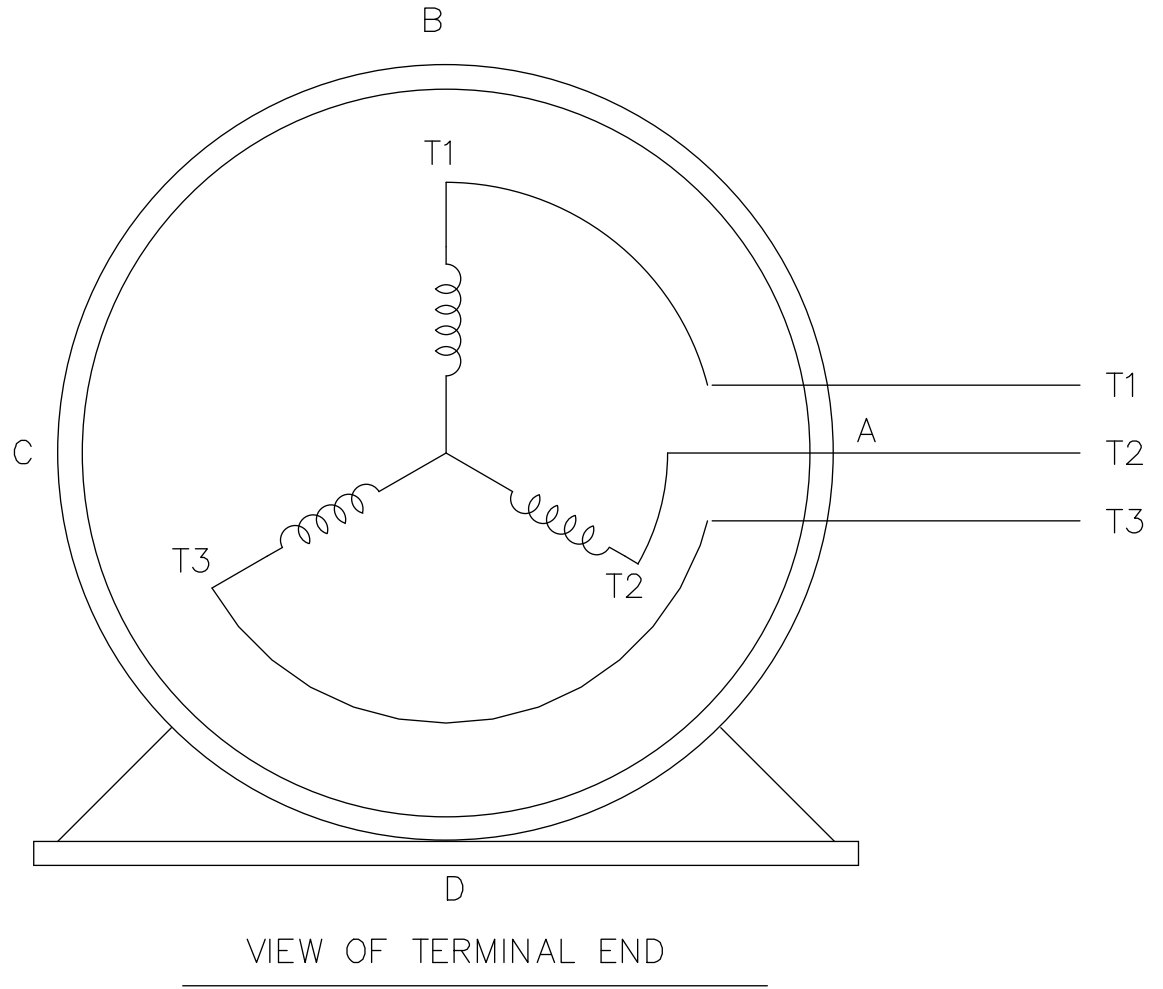


DASH	FR	C	AG		DASH	FR	C	AG		DASH	FR	C	AG	
550	56	9.16	7.10	01-17-2002	650	56	10.16	8.10		725	56	10.91	8.85	
600	56	9.66	7.60		675	56	10.41	8.35		750	56	11.16	9.10	
625	56	9.91	7.85		700	56	10.66	8.60		775	56	11.41	9.35	

NO.	REVISION	BY & DATE	CHK	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN NJS 05-11-2001			
				DEC.	INCHES					
				.X	±.1		CHK ML 05-11-2001			
3	REVISED "C" & "AG" DIMS	ISAAC10-2047	TJW 7/27/2010	.XX	±.03	TITLE OUTLINE	APPD TOM 05-14-2001			
2	REDRAWN IN AUTOCAD		TAT 07-06-2004	ML	.XXX ±.005		SCALE 3=8			
1	NEW DRAWING	MU37179	NJS 05-14-2001		.XXXX ±.0005	MAT'L.	REF			
				ANG	±7'30"		FMF			
				RFP		CAD FILE ss403144	PREV			
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT							SIZE A	DRAWING NO. SS403144	PAGE OF	REV. 3

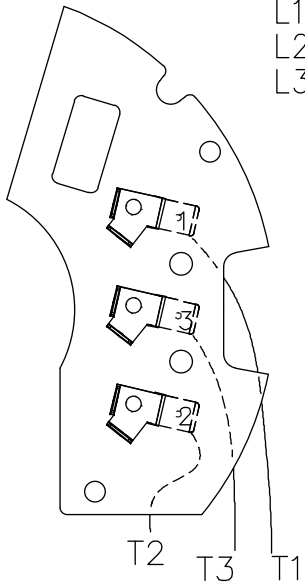
THREE PHASE – SINGLE VOLTAGE MOTOR

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		FMF			
				ANG	±7'30"		PREV			
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				DIST						



CERTIFICATION DATA SHEET

Model#: 56H172015 A WINDING#: TE484119 NONE 3
 CONN. DIAGRAM: A-EE7300HX ASSEMBLY: F1 ONLY
 OUTLINE: A-SS403144-625

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	230	1.8	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	1.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
1.5 LB-FT	14.4	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	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLACK (POWDER)

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

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

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

DATE: 06/28/2017 01:13:08 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.

Customer: _____
 Attention: _____



Submitted

Submitted by: VINAYAK VERATE

Data @ 230 V

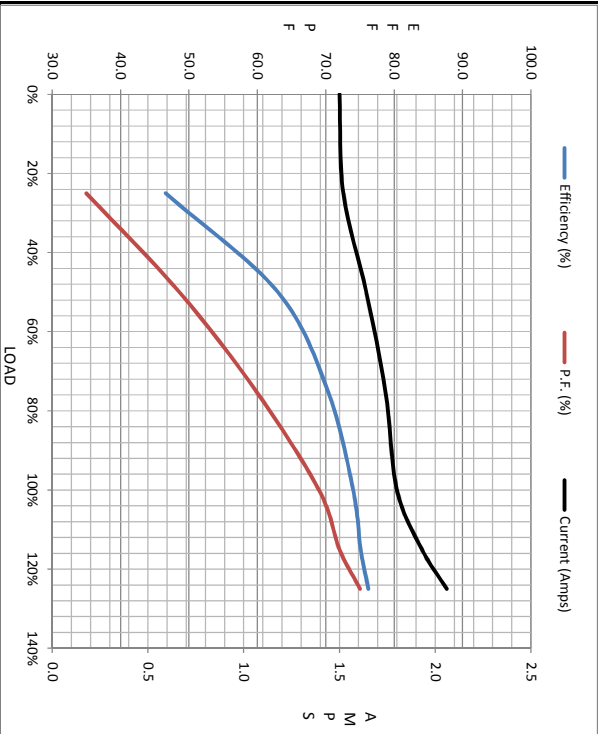
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.50	1.52	1.64	1.74	1.80	1.93	2.06	14.4
Torque (ft-lb)	0.00	0.37	0.74	1.11	1.50	1.70	1.89	6.9
RPM	1800	1785	1773	1760	1750	1742	1730	0
Efficiency (%)		46.6	63.0	70.3	74.0	75.1	76.2	
P.F. (%)	20.5	35.0	48.6	59.8	69.0	72.0	75.0	75.7

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	120	1030	1750	1800
Current (Amps)	14.4	14.2	10.5	1.80	1.50
Torque (ft-lb)	6.9	6.7	8.2	1.50	0.00

Information Block

HP	0.5			
Sync. RPM	1800			
Frame	56			
Enclosure	TENV			
Construction	TTR			
Voltage	230 V			
Frequency	60 Hz			
Design	B			
LR Code letter	N			
Service Factor	1.15			
Temp Rise @ FL	85 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ^e	0.06 Lb-Ft ^e			
Ref Wdg	TE484119 NONE			
Sound Pressure @ 1M	60 dBA			
VFD Rating	CONSTANT 1000:1			
Outline Dwg	A-SS403144-625			
Conn. Diag	A-EE7300HX			
Additional Specifications:				
0				
R1	R2	X1	X2	Xm
4.2530	3.8980	4.8050	2.5520	97.5100



Speed -Torque Curve

