

PRODUCT INFORMATION PACKET

Model No: 145TTDR16305
Catalog No: GT4109
3.3600,DP,145JMV,3/60/230/460
JM



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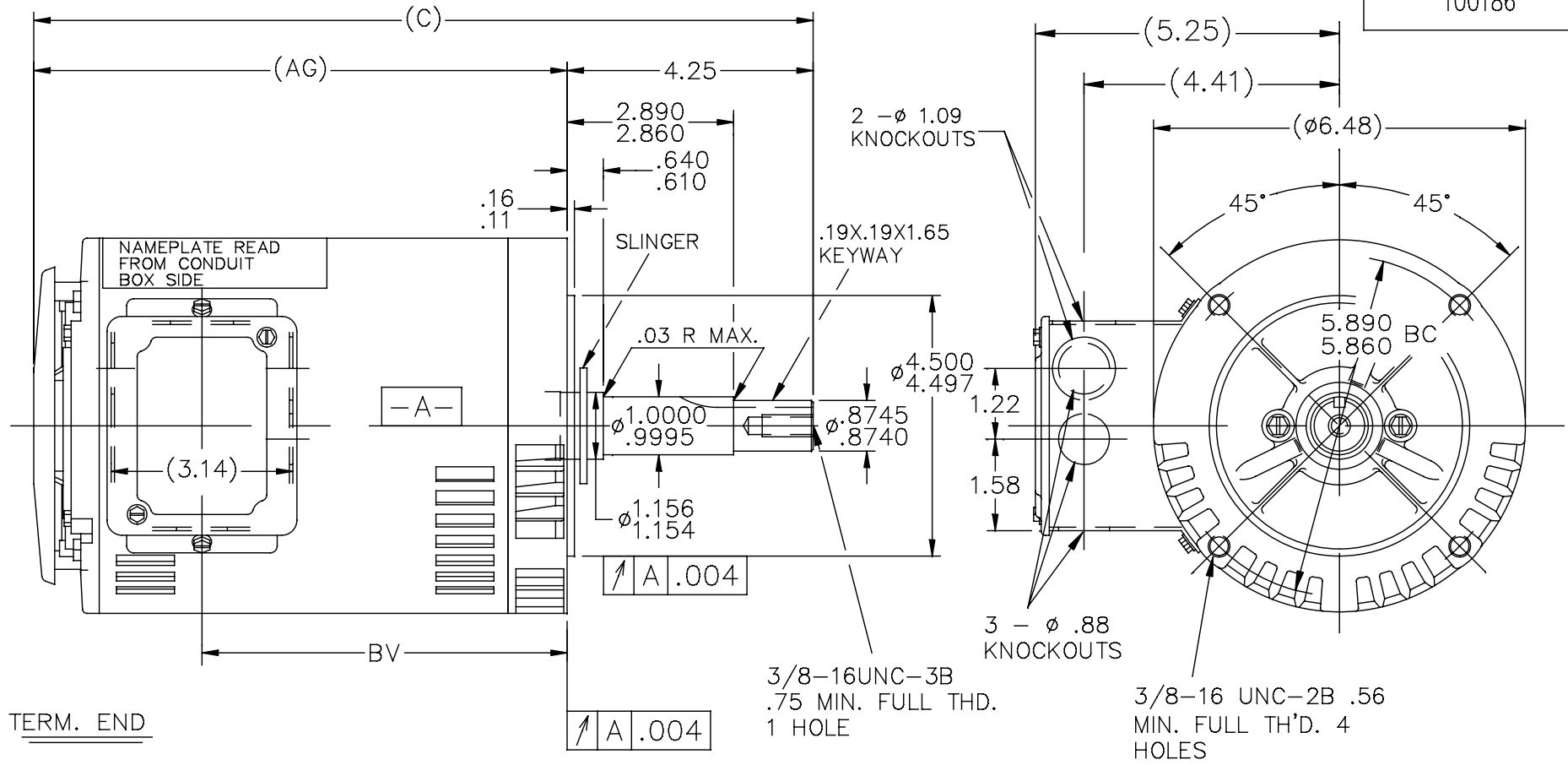
Nameplate Specifications

Output HP	3 Hp	Output KW	2.24 kW
Frequency	60 Hz	Voltage	230/460 V
Current	7.6/3.8 A	Speed	3510 rpm
Service Factor	1.15	Phase	3
Efficiency	87.5 %	Duty	CONTINUOUS
Insulation Class	F	Design Code	B
KVA Code	M	Frame	145JMV
Enclosure	DP	Overload Protector	NOT
Ambient Temperature	40 °C	Drive End Bearing Size	6206
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	Y
IP Code	22		

Technical Specifications

Electrical Type	SQ CAGE INV RATED	Starting Method	LINE OR INVERTER
Poles	2	Rotation	REV
Mounting	ROUND	Motor Orientation	HORIZONTAL OR SHAFT DOWN
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	ROLLED STEEL	Shaft Type	JM
Overall Length	15.42 in	Frame Length	9.06 in
Shaft Diameter	0.88 in	Shaft Extension	4.25 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	A-100186-906	Connection Diagram	A-EE7308

100186



TERM. END

DASH	FRAME	C	AG	BV	DASH	FRAME	C	AG	BV
					806	140	14.42	10.17	7.31
656	140	12.92	8.67	5.81	856	"	14.92	10.67	7.81
706	140	13.42	9.17	6.31	906	"	15.42	11.17	8.31
756	140	13.92	9.67	6.81	956	"	15.92	11.67	8.81

NOTE: CONDUIT BOX CAN BE ROTATED 180°

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN SMC 10-30-1990			
					DEC.	INCHES					
6	UPDATED TO REGAL LOGO	SAJ 07-06-2015	VS					CHK ML 10-31-1990			
5	REVISED AK DIA ECR-0044440	SVL 11-06-2013		.X	±.1			APPD			
4	REDRAWN IN AUTOCAD	TAT 07-06-2004	ML	.XX	±.03		TITLE OUTLINE	SCALE 3=8			
3	.75 FULL THD. WAS .88	CN 13229 RM 04-26-1991		.XXX	±.005		140T FR.-BB-DR.PR-C FACE-3Ø-JM. EXT.	REF			
2	REDRAWN ON CADD	SMC 10-30-1990		.XXXX	±.0005		MAT'L.	FMF			
					±7'30"			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				RFP	CAD FILE 100186			SIZE A	DRAWING NO. 100186	PAGE OF 6	REV. 6
				DIST	WP						



EE7308

THREE PHASE
DUAL VOLTAGE MOTOR



VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD
CONNECTION

L1 — WHITE
L2 — RED
L3 — BLACK

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN RM 11/20/1990				
					DEC.	INCHES						
5	CHG TO REGAL LOGO	SL 09/10/2015	AB					CHK ML 11/21/1990				
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1			APPD SAS 04/24/2003				
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		TITLE CONNECTION DIAGRAM	SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		3Ø - DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		MAT'L.	FMF				
					±7'30"			PREV				
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							DIST WP					



CERTIFICATION DATA SHEET

Model#: 145TTDR16305 AA **WINDING#:** ZT2175 NONE 1
CONN. DIAGRAM: A-EE7308 **ASSEMBLY:** F1 ONLY
OUTLINE: A-100186-906

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3&2	2.24&1.49	3600	3510&2930	145JMV	DP	M	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	7.6/3.8&6.6/3. 3	LINE OR INVERTER	CONTINUOU S	F3	1.15/1.0	40	3300

FULL LOAD EFF: 87.5&85.5	3/4 LOAD EFF: 88.2	1/2 LOAD EFF: 86.8	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 83.5&81	3/4 LOAD PF: 77.3	1/2 LOAD PF: 65.7	85.5	SQ CAGE INV RATED	3.4 / 1.7

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.5 LB-FT	82.2 / 41.1	17.8 LB-FT 396	23.2 LB-FT 516	41

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
68 dBA	78 dBA	0.045 LB-FT^2	5 LB-FT^2	10 SEC.	2	43 LBS.

***** SUPPLEMENTAL INFORMATION *****

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

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	JM	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6206	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 2:1
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

** Subject to change without notice.

Data Sheet

Date: 15-06-2017
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



145TTDR16305

Submittal

Data @ 460 V

Motor Load Data

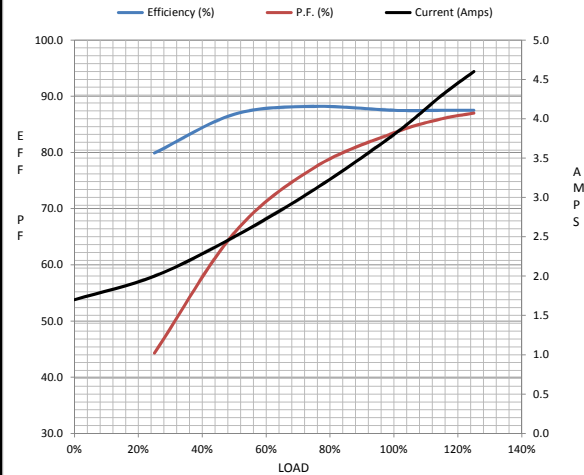
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.70	2.00	2.50	3.1	3.8	4.3	4.6	41.1
Torque (ft-lb)	0.00	1.10	2.21	3.3	4.5	5.2	5.7	17.8
RPM	3600	3580	3560	3535	3510	3,495	3485	0
Efficiency (%)		79.9	86.8	88.2	87.5	87.5	87.5	
P.F. (%)	10.9	44.3	65.7	77.3	83.5	86.0	87.0	65.4

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	255	2310	3510	3600
Current (Amps)	41.1	40.4	29.8	3.8	1.70
Torque (ft-lb)	17.8	15.7	23.2	4.5	0.00

Information Block

HP	3.0			
Sync. RPM	3600			
Frame	145			
Enclosure	DP			
Construction	TDR			
Voltage	30/460#190/38V			
Frequency	60 Hz			
Design	A			
LR Code letter	M			
Service Factor	1.15			
Temp Rise @ FL	41 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.05 Lb-Ft ²			
Ref Wdg	ZT2175 NONE			
Sound Pressure @ 1M	68 dBA			
VFD Rating	CONSTANT 2:1			
Outline Dwg	A-100186-906			
Conn. Diag	A-EE7308			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
3.8790	2.2700	5.3920	5.0140	173.5910



Speed -Torque Curve

