

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 447TTDN16041
Catalog No: U789
300,1800,DP,447T,3/60/460
Open Drip Proof (ODP)



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REGAL

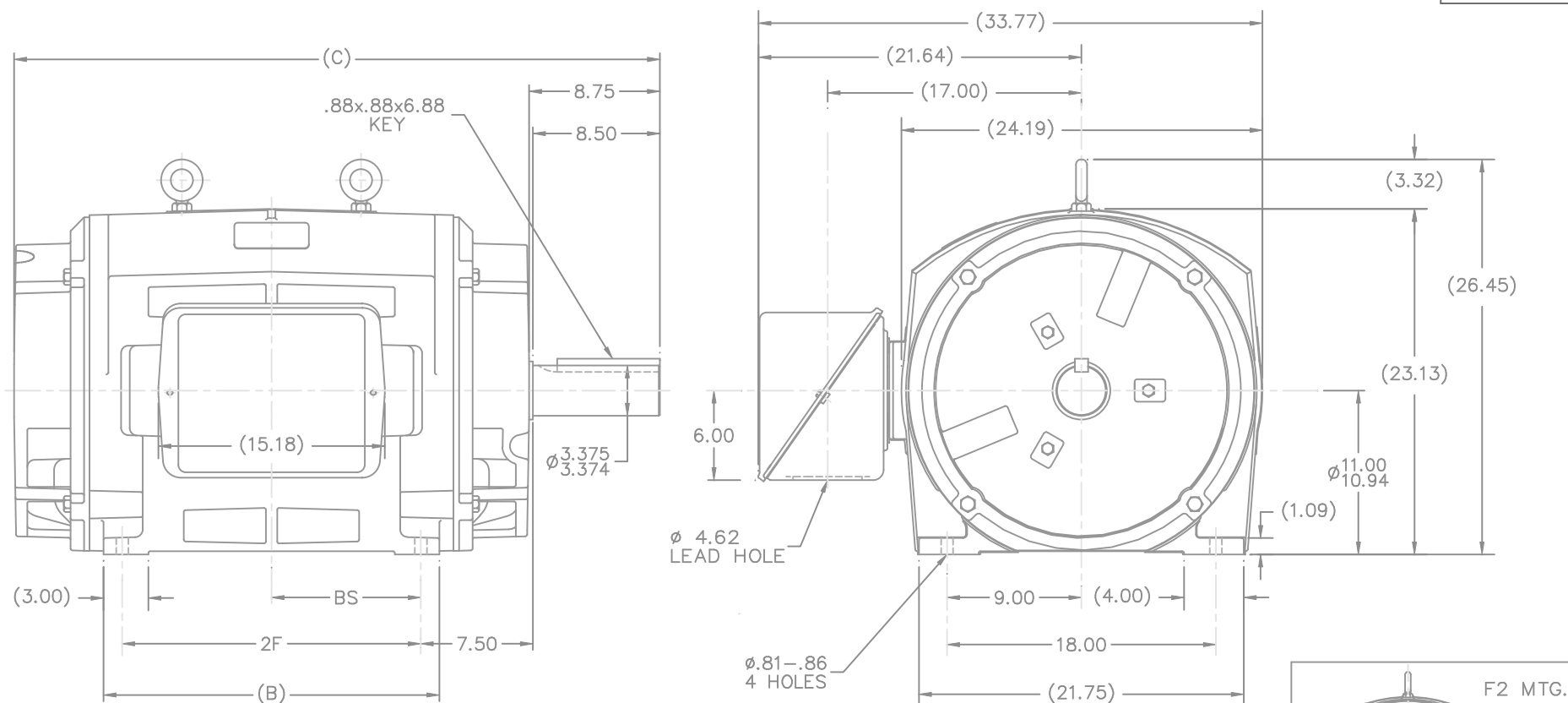


Nameplate Specifications

Output HP	300 Hp	Output KW	224 kW
Frequency	60 Hz	Voltage	460 V
Current	340 A	Speed	1785 rpm
Service Factor	1.15	Phase	3
Efficiency	96.2 %	Duty	CONTINUOUS
Insulation Class	F	Design Code	B
KVA Code	F	Frame	447T
Enclosure	DP	Overload Protector	NOT
Ambient Temperature	40 °C	Drive End Bearing Size	6318
Opp Drive End Bearing Size	6314	UL	Recognized
CSA	Y	CE	Y
IP Code	12		

Technical Specifications

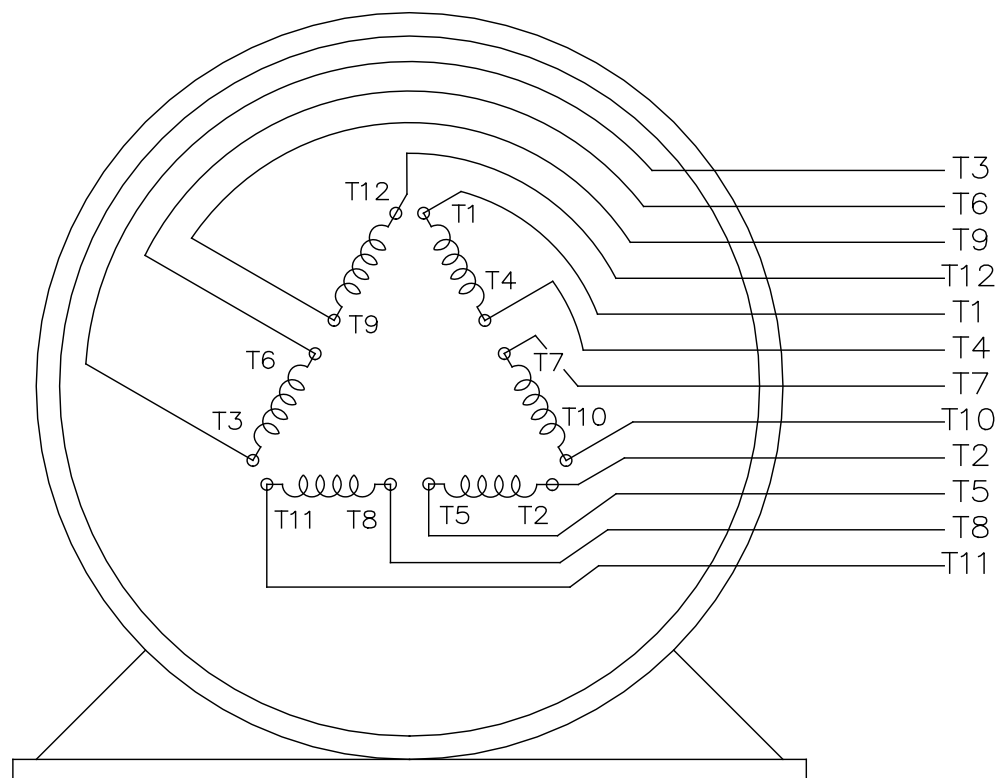
Electrical Type	SQ CAGE IND RUN	Starting Method	PWS & YDRUN
Poles	4	Rotation	REV
Mounting	RIGID	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	CAST IRON	Shaft Type	T
Overall Length	43.25 in	Frame Length	24.38 in
Shaft Diameter	3.38 in	Shaft Extension	8.75 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	B-SS514252-2438	Connection Diagram	A-EE7300BH



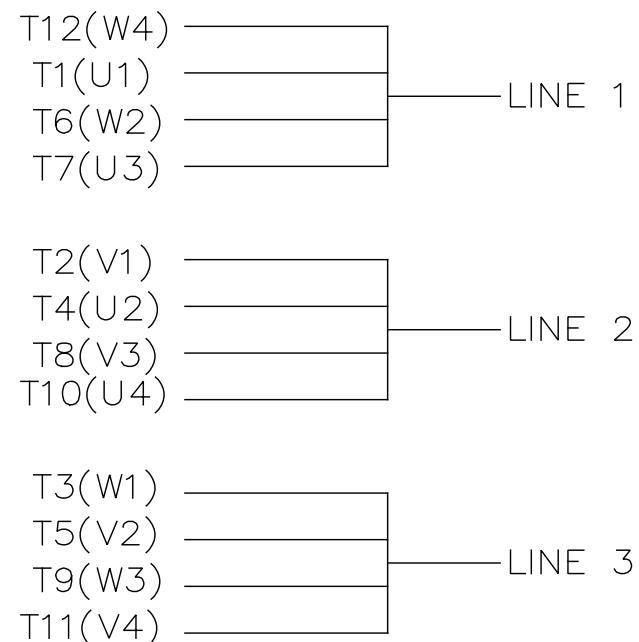
NOTES:

1. C.BOX CAN BE ROTATED IN 90° STEPS.
2. C.BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS & TURNING FRAME 180°.
3. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

									7	UPDATED DE BRACKET GEOMETRY	CN 35521	DRS		TOLERANCES UNLESS SPECIFIED			DRAWN	JL 06-23-1992									
									6	ADDED F2 MOUNTING VIEW	CN 29200-263	DRS	03-24-2000	DEC.	INCHES		CHK	TB 06-23-1992									
									5	ADDED OVERALL DIMENSIONS	CN 27400-627	BJW	01-17-2000	.X	±.1		APPD	JPN 07-10-1992									
									4	REVISED TO NEC CONDUIT BOX	CN 28405	BJW		.XX	±.03		SCALE	1=7									
									3	REMOVED 700 CU.IN. C'BOX NOTE	CN 16342	KL	10-07-1993	.XXX	±.005	REF											
2438	447T	43.25	---	22.50	20.00	---	---	10.00	2	'C' DIM. WAS 43.19 & 48.19	CN 15854	JL	06-09-1993	.XXXX	±.0005	FMF											
2938	449T	48.25	---	27.50	25.00	---	---	12.50	NO.	REVISION		BY & DATE	CHK	ANG	±7°30"	FINISH	PREV										
									THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR DESIGN AND INVENTION. NO REPRODUCTION OR REUSE OF THIS THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT										RFP		CAD FILE	SS514252	SIZE	DRAWING NO.	PAGE	OF	REV.
DASH	FRAME	C	AG	B	2F	2FF	2FFF	BS											DIST	WA-SB	B	SS514252	7				



VIEW OF TERMINAL END



				TOLERANCES UNLESS SPECIFIED		 REGAL - BELOIT CORPORATION	DRAWN RJW 02-11-2005					
				DEC.	INCHES		CHK	ML	02-11-2005			
				.X	±.1		APPD	GK	02-11-2005			
				.XX	±.02		SCALE					
D	CHANGED TO REGAL TITLE BLOCK	ECO-0108299	WGJ 08/22/2016	EMH	.XXX	±.005	TITLE CONNECTION DIAGRAM 12 LEAD- SINGLE VOLTAGE			REF		
1	ADDED IEC TERMINAL MARKINGS	CN 41429	JJB 05/24/2007	ML	.XXXX	±.0005	MAT'L.			FMF		
NO.	REVISION		BY & DATE	CHK	ANG	±7'30"	FINISH			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 02-11-2005		CAD FILE ee7300bh		SIZE	DRAWING NO.	PAGE	OF	REV.
				DIST LB				A	EE7300BH		C	

CERTIFICATION DATA SHEET

Model#:

447TTDN16041 AA

WINDING#:

T447429 NONE 1

CONN. DIAGRAM:

A-EE7300BH

ASSEMBLY:

F1/F2 CAPABLE

OUTLINE:

B-SS514252-2438

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
300&250	224&187	1800	1785&1485	447T	DP	F	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	460#380	340&345	PWS & YDRUN	CONTINUOUS	F1	1.15/1.15	40	3300

FULL LOAD EFF: 96.2&95.8	3/4 LOAD EFF: 96.2	1/2 LOAD EFF: 96.2	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 86&86	3/4 LOAD PF: 84	1/2 LOAD PF: 79	95.8	SQ CAGE IND RUN	95

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
882 LB-FT	1900	1375 LB-FT 156	1800 LB-FT 204	50

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
82 dBA	92 dBA	70 LB-FT^2	1350 LB-FT^2	15 SEC.	1	2250 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL						
6318	6314	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON

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

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If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
- FT-LB NONE V NONE Hz

