



ITEM NO.	NEMA MOTOR FRAME	UNITS	COUPLING ITEM CHOICES						DIMENSION				
			AA = LOVEJOY		BB = THOMAS DBZ		CC = THOMAS DBZ-C		C	D*	E*	F	G
			A	B	A	B	A	B					
001	56	INCHES [mm]	28.6 [661]	0.50 [13]	28.8 [665]	0.69 [18]	31.6 [737]	3.5 [89]	7.7 [195]	---	2.8 [70]	9.3 [235]	27.5 [699]
002	143/145T	INCHES [mm]	27.3/28.3 [693/719]	0.50 [13]	27.5/28.5 [698/723]	0.69 [18]	30.3/31.3 [769/795]	3.5 [89]	7.7 [195]	---	2.3 [57]	9.3 [235]	29.5 [749]
003	182/184T	INCHES [mm]	28.9/29.9 [735/760]	0.50 [13]	29.1/30.1 [739/765]	0.69 [18]	31.9/32.9 [811/836]	3.5 [89]	7.7 [195]	---	---	9.3 [235]	29.5 [749]
004	213/215T	INCHES [mm]	33.2/34.7 [843/881]	0.75 [19]	33.4/34.9 [848/885]	0.94 [24]	35.9/37.4 [912/950]	3.5 [89]	8.4 [214]	2.00 [51]	---	9.3 [235]	33.5 [851]
005	254/256T	INCHES [mm]	38.5/40.3 [979/1023]	0.88 [22]	38.6/40.4 [980/1025]	0.94 [24]	41.2/42.9 [1046/1090]	3.5 [89]	9.8 [248]	3.50 [89]	---	12.3 [311]	39.5 [1003]
006	284/286TS	INCHES [mm]	40.4/41.9 [1027/1065]	0.88 [22]	40.5/42.0 [1029/1066]	0.94 [24]	43.0/44.5 [1093/1131]	3.5 [89]	10.5 [267]	3.50 [89]	---	12.3 [311]	39.5 [1003]
007	284/286T	INCHES [mm]	41.9/43.4 [1065/1103]	1.00 [25]	41.9/43.4 [1063/1101]	0.94 [24]	44.4/45.9 [1128/1166]	3.5 [89]	10.5 [267]	3.50 [89]	---	12.3 [312]	39.5 [1003]

ITEM NO.	NEMA MOTOR FRAME	UNITS	DIMENSION											APPROX UNIT WT LB / [kg]	
			H	J	K*	L	M*	N*	P	R*	S	T*	V		W
001	56	INCHES [mm]	6.0 [152]	12.0 [305]	---	30.0 [762]	6.9 [176]	5.0 [127]	---	16.6 [422]	3.17 [81]	1.00 [25]	12.8 [325]	6.1 [156]	165 [75]
002	143/145T	INCHES [mm]	6.0 [152]	12.0 [305]	---	32.0 [813]	6.9 [175]	7.5 [191]	---	17.0 [432]	3.17 [81]	1.00 [25]	12.8 [325]	6.5/7.0 [165/178]	195 [89]
003	182/184T	INCHES [mm]	6.0 [152]	12.0 [305]	---	32.0 [813]	---	---	---	17.5 [445]	3.17 [81]	---	13.1 [331]	7.8/8.3 [197/210]	230 [105]
004	213/215T	INCHES [mm]	6.0 [152]	12.0 [305]	9.5 [241]	36.0 [914]	---	---	0.75 [19]	18.5 [470]	3.17 [81]	---	14.4 [366]	9.6/10.4 [245/264]	310 [141]
005	254/256T	INCHES [mm]	7.5 [191]	15.0 [381]	9.5 [241]	42.0 [1067]	---	---	1.75 [44]	19.3 [489]	3.52 [89]	---	16.9 [429]	12.4/13.3 [314/337]	485 [220]
006	284/286TS	INCHES [mm]	7.5 [191]	15.0 [381]	9.5 [241]	42.0 [1067]	---	---	2.50 [64]	18.5 [470]	3.52 [89]	---	18.3 [465]	12.8/13.5 [324/343]	635 [289]
007	284/286T	INCHES [mm]	7.5 [191]	15.0 [381]	9.5 [241]	42.0 [1067]	---	---	2.50 [64]	20.0 [508]	3.52 [89]	---	18.3 [465]	14.1/14.9 [359/378]	635 [289]

DRAWING CERTIFICATION

CUSTOMER NAME -----

CUSTOMER PO NUMBER -----

CUSTOMER PART NUMBER -----

UNIT BILL OF MAT'L NO.-----

PUMP TYPE -----

ITEM NUMBER -----

DRIP RIM -----

COUPLING TYPE -----

SHAFT ROTATION -----

PORT POSITION -----

MOTOR MANUFACTURER -----

MOTOR TYPE -----

FRAME SIZE -----

POWER -----

ROTATING SPEED -----

PHASES -----

FREQUENCY -----

VOLTAGE -----

MOTOR WEIGHT -----

CONDUIT BOX POSITION --

MOTOR INSTALLED BY -----

CERTIFIED BY -----

CERTIFICATION DATE -----

IMO ORDER NUMBER -----

CERTIFICATION REV. NO.---

OTHER INFORMATION

- NOTES --**
- THIS IS A STANDARD PRE-ENGINEERED UNIT OUTLINE. ANY CHANGES OUTSIDE THE CERTIFICATION BLOCK WILL REQUIRE A NEW DRAWING ASSIGNMENT.
 - ALTERNATE PORT POSITIONS ARE PROVIDED IF SPECIFIED ON ORDER. AVAILABLE POSITIONS ARE STD, #1 AND #2.
 - DRIVER DIMENSIONS MAY VARY WITH TYPE AND MAKE OF DRIVER.
 - STANDARD SHAFT ROTATION IS CLOCKWISE WHEN FACING COUPLING END OF PUMP.
 - REVIEW GENERAL INSTRUCTION MANUAL FOR ALIGNMENT, PIPING, INLET STRAINER, DISCHARGE RELIEF VALVE, SEAL VENT, ETC., CONSIDERATIONS BEFORE INSTALLING AND OPERATING UNIT.

MAXIMUM ALLOWABLE FORCES AND MOMENTS ON PORTS

- COORDINATE SYSTEM FOR MAXIMUM PORT FORCES (F) MOMENTS (M).
- FORCE AND MOMENT VALUES ARE RELATIVE TO CENTER OF INLET AND OUTLET PORT FACES.

	FORCE	LBF	[N]	MOMENT	LB-FT	[N m]
INLET	FX	37.5	[169]	MX	62.5	[84.7]
	FY	37.5	[169]	MY	62.5	[84.7]
	FZ	37.5	[169]	MZ	62.5	[84.7]
OUTLET	FX	28.1	[125]	MX	46.9	[63.6]
	FY	28.1	[125]	MY	46.9	[63.6]
	FZ	28.1	[125]	MZ	46.9	[63.6]

REV. NO.	ECR NO.	DATE	APPROVED BY

NOTE: UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS.

* FOR IMO PUMP USE.

IMO PUMP USE ONLY: SEE ES 5.11.2 FOR FABRICATION INFORMATION.

	DRAWN BY	DATE	APPROVED BY	DATE	STANDARD UNIT OUTLINE DRAWING IRON CASE FOOT MOUNT 3E143/162			
	D.Mashburn	5/2/01	M.Vena	5/4/01				
CHECKED BY M.Vena 5/4/01 FIRST ORDER NUMBER EB122A					CAGE CODE	DWG SIZE	SHEET	DWG NUMBER
59180 B 1 of 1					SDD20069			