



MYCOM DOC No.: MPE-007 - 50098 COM

**FOUNDATION DETAILS
COMPRESSOR SKID**

NO.	BY	APP	DATE	DESCRIPTION
0	DGJ	SES	4/12/2024	FOR APPROVAL

CLIENT **DELTA**
 JOB No. **RU-001** Unit No. **RU-001**
 P.O. No. **PO-ENER-MME-2024-100-002**
 SITE **---**
 SERVICE **REFRIGERATION UNIT**

MFR **MAYEKAWA**
 UNIT _____
 MODEL No. _____
 No. REQUIRED _____
 MYCOM REF. DOC. **MPE-007-20021**

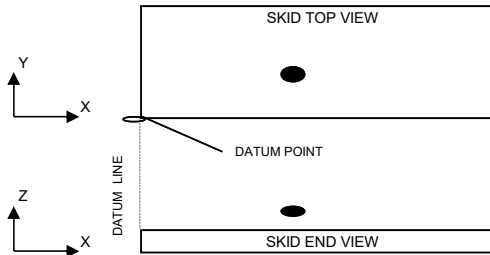
A WEIGHT AND INDIVIDUAL CENTER OF GRAVITY COMPRESSOR SKID

EQUIPMENT	WEIGHT (lbs)	X-LOCATION (in)	Y-LOCATION (in)	Z-LOCATION (in)
OIL SEPARATOR	2,150	31.1	17.0	40.2
OIL PUMP 1	187	31.1	5.0	5.0
OIL PUMP MOTOR 1	300	31.1	10.0	5.0
COMPRESSOR	781	18.0	17.0	55.0
COMPRESSOR MOTOR	1,936	25.0	17.0	55.0
SUCTION SPOOL	250	25.0	17.0	55.0
COMP DISCH PIPG SPOOL	282	31.1	25.0	55.0
RECYCLE SPOOL	0	73.0	0.0	0.0
DISCHARGE PIPING SPOOL 1	0	172.0	68.0	90.0
PCV OIL SEPARATOR PIPING SPOOL 1	0	73.0	0.0	0.0
OIL PUMP SUCTION SPOOL	120	40.0	10.0	5.0
OIL PUMP DISCHARGE SPOOL	100	40.0	10.0	5.0
OIL HEADER SPOOL	0	74.0	20.0	55.0
TCV PIPING SPOOL	0	125.0	70.0	27.5
OIL COOLER	500	31.1	35.0	10.0
CONDENSATE DRAIN PUPM1	0	73.0	65.0	44.0
CONDENSATE DRAIN PUPM2	0	73.0	65.0	44.0
2ND STAGE COALESCER	0	73.0	80.0	72.0
SOUND ENCLOSURE	0	73.0	0.0	0.0
MAKE UP FUEL GAS SPOOL	0	73.0	0.0	0.0
OIL FILTERS	200	10.0	12.0	15.0
OIL PUMP 2	0	10.0	68.0	20.0
OIL PUMP MOTOR 2	0	10.0	58.0	20.0
LOCAL STATION / JUNCTION BOX 1 & 4 & 7	80	10.0	0.0	36.0
JUNCTION BOX SOV	60	48.0	0.0	24.0
JUNCTION BOX ANALOG	60	10.0	36.0	26.0
CABLE TRAYS & CABLES	50	31.1	17.0	5.0
CONDENSATE PUMP SUCTION	0	73.0	0.0	0.0
CONDENSATE PUMP DISCHARGE	0	73.0	0.0	0.0
0	0	73.0	0.0	0.0
TOTAL BEAM WEIGHT	239	31.1	17.0	5.5
ACCESSORIES	200	31.1	17.1	25.0

TOTAL WEIGHT 7,495 LBS 3,403 KGS DRY WEIGHT
7,895 LBS 3,584 KGS OPERATING WEIGHT

B PACKAGE CENTER OF GRAVITY FROM BOTTOM BASE

SKID CENTER OF GRAVITY FROM DATUM POINT	
X	27.4
Y	17.4
Z	38.6



C SPECIAL LOADS

1 DYNAMIC LOAD (HORIZONTAL):	518 kgf	X/Y-Dir	Compressor Weight:	355 kg	781 lbs
DYNAMIC LOAD (VERTICAL):	1,135 kgf	Z-Dir	Motor Weight:	879 kg	1,936 lbs
2 FREQUENCY:	50 Hz		Speed:	2,950 RPM	
ANGULAR FREQUENCY:	314.169 1/sec				
3 WIND LOAD at Base: (Shear)	2,929 kg	x-Direction		7,709 kg	y-Direction
(Moment)	6,060 kg-m	x-Direction		15,947 kg-m	y-Direction