







NOTES:

- TECHCRANE MODEL NUMBER L80-100.
- BASIC CRANE LIFTING CAPACITIES ARE AS FOLLOWS:
MAIN FALL
OFFBOARD- 2.0m SIGNIFICANT WAVE HEIGHT (Hsig)
5 METRIC TONNES AT 15m OUTREACH
ONBOARD
5 METRIC TONNES AT 30m OUTREACH
AUXILIARY FALL
OFFBOARD- 2.0m SIGNIFICANT WAVE HEIGHT (Hsig)
3 METRIC TONNES CARGO AT ALL OUTREACHES
1 METRIC TONNES PERSONNEL AT ALL
OUTREACHES
- CRANE LIFTING CAPACITIES ARE BASED ON THE
FOLLOWING
CUSTOMER REQUIREMENTS:
API SPECIFICATION 2C, 6th EDITION
2.0 METER SIGNIFICANT WAVE HEIGHT (Hsig)
MINIMUM DYNAMIC FACTOR (Cv) OF 2.0 FOR OFFBOARD
LIFTS
AND 1.33 FOR ONBOARD LIFTS
CRANE ACCELERATIONS:
VERTICAL: 1.00g
HORIZONTAL: 0.00g
PLATFORM STATIC INCLINATIONS:
0.5° HEEL
0.5° TRIM
17.9 m/sec OPERATIONAL WIND SPEED
- CRANE PERFORMANCE PARAMETERS ARE:
HOISTING:
MAIN FALL (2 PART RIGGING):
Max Roting AT 28 m/min
AUXILIARY FALL (1 PART RIGGING):
3.0 METRIC TONS AT 72 m/min
SWING: 1.0 RPM AT MAXIMUM STATIC INCLINATION
LUFFING: 0° TO 80° IN 90 SECONDS AT MAXIMUM
CAPACITY
- TOTAL CRANE WEIGHT IS APPROXIMATELY 24948 KG
- CRANE FOUNDATION REACTIONS PER API SPECIFICATION
2C REQUIREMENTS ARE FOLLOWS:
Maximum Overturning Moment 4067.67 kn-m
Thrust AT Maximum Overturning Moment 162.66 kn
Maximum Thrust 162.81 kn
Overturning Moment AT Maximum Thru 3879.99 kn-m
- CONTRACTOR WILL PROVIDE THE FOLLOWING POWER
SUPPLY.
230V, 50 HZ (1P+N+E) UPS POWER SUPPLY FOR
WINDSOCK, ADL ETC.
- PRIME MOVER:
MARINE DIESEL ENGINE RATED 365 HP @ 2100 RPM
- CRANE PEDESTAL (INCLUDING ALL LIGHTING) AND BOOM
(INCLUDING FLOOD LIGHTS, HELICOPTER WARNING
LIGHTS,
ANTI-2-BLOCK AND LOAD PINS) ARE SUITABLE FOR
OPERATION IN ZONE 2 HAZARDOUS LOCATIONS.
REMAINDER
OF CRANE SUITABLE FOR OPERATION IN SAFE AREA.
- CENTRAL UPS WILL BACK UP ALL APPLICABLE
ELECTRICAL COMPONENTS.
- CABLE GLAND SIZES WILL BE SIZED ACCORDINGLY.

NOTE:
1. DIMENSION IN METRIC.

APPROVAL SIGNATURE
DATE

PART NO:
DZP-PO-PM-011
FILE NAME:
L80-100 General Arrangement.dwg

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AND TRADE SECRET.
DO NOT DISCLOSE, USE OR REPRODUCE WITHOUT PRIOR
WRITTEN APPROVAL FROM TECHCRANE GLOBAL CORPORATION

TOLERANCE UNLESS OTHERWISE SPECIFIED	
.X	±.03"
.XX	±.015"
.XXX	±.0015"
.XXXX	±.0005"
X/X	±1/32"
DIMENSIONS IN INCHES [] INDICATES MILLIMETERS	

MATERIAL:		QTY:
PHONE (985) 871-0056		
Techcrane International, LLC.		
17639 HARD HAT DR. COVINGTON, LA. 70435 USA		
ILK Costruction Co. Dragon Oil (Turkmenitstan) LTD Living Quarter Crane L80-100 General Arrangement (Boom-Up View)		
DRAWN BY:	L. Baylis	DATE: 04/11/2012
DESGN. BY:	F. Liebkemann	SCALE: None SHT: 3 of 3
APP'D BY:		DWG. VER: 2.2