

Customer	: Canadian Coast Guard	Quantity	: 1
Customer reference	: Email 26.08.2020	Quote number	: Q17786
Service	: Bilge Pump	Date last saved	: 15 Mar 2021 2:05 PM
Hull No.	: -		
Vessel Type	: LOUIS S. ST. LAURENT		

Item No. 008

Type	: Single suction, single stage, radially split, vertical inline centrifugal pump		
Model	: CGC125R-V048-AAN-B1411-CNB		
Weight (w/o motor)	: 165.0 kg		
Fluid/Density/Temp	: Sea Water 20°C / 1.025 kg/dm ³ / 20.00 deg C	Serial No.	: CF79893

PERFORMANCE DATA

Flowrate	: 125.0 m ³ /h	Pump Total Head	: 22.86 m
Speed	: 1790 rpm	Inlet Total Head	: 0.00 m
Rated Power	: 11.73 kW	Outlet Total Head	: 22.86 m
Maximum power	: 11.73 kW	NPSHr	: 1.59 m

Materials

Casing	: NiAlBronze (A)	Seal Face	: Sic / Carbon / 316 SS (C)
Impeller	: NiAlBronze (A)	O-Ring	: Nitrile (N)
Shaft	: Stainless Steel - Duplex	Wear Ring	: Bronze (B)

TECHNICAL SPECIFICATION

Shaft Seal	: Mechanical	Coating	: RAL5015
Bearing	: Grease lubricated ball bearings	Priming System	: Not Included
Gauge	: Gauge board with 63 mm gauges mounted on pump.	Counter Flange	: Not Included
Spares	: Not Included		
Accessories	: Not Included		

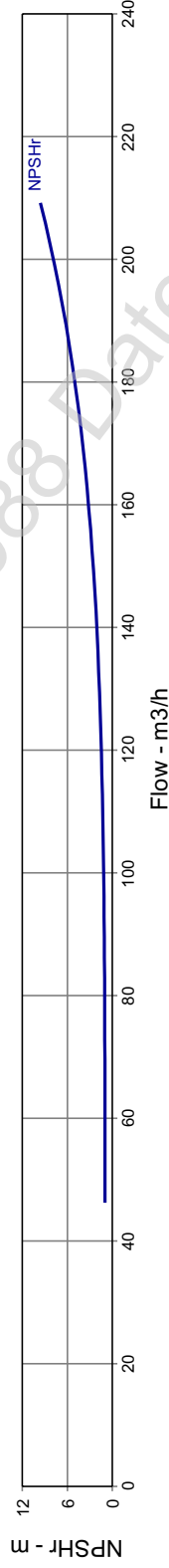
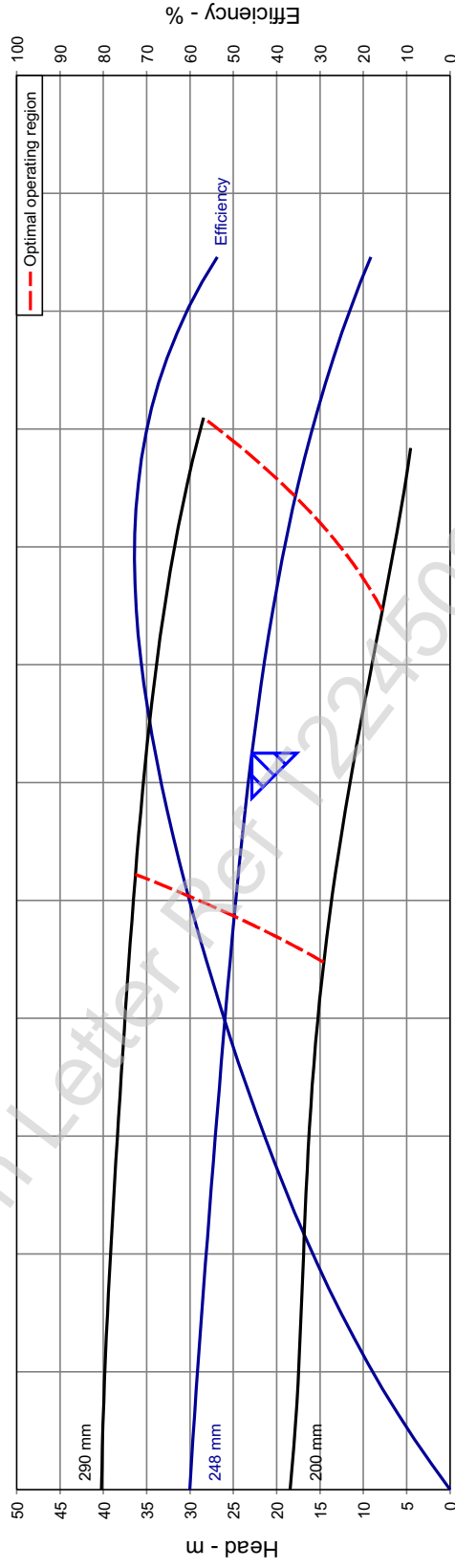
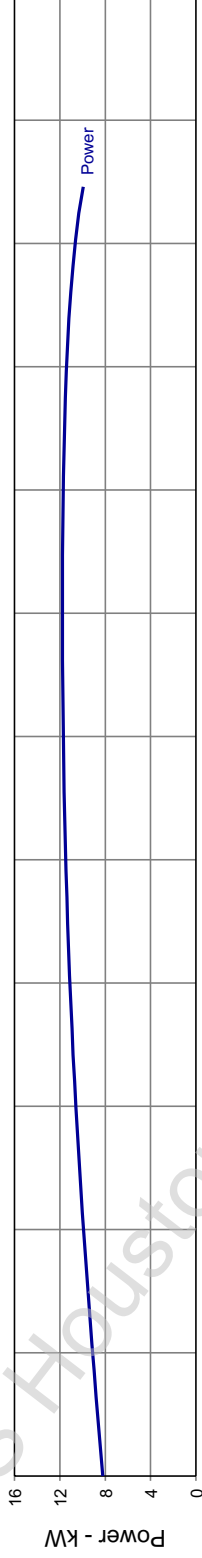
PUMP TEST AND DOCUMENTATION

Description TEST	: Enclosed	Outline Drawing	: SU03396-007
Performance Curve	: Enclosed	Sectional Drawing	: SUS2487-002
Certificate	: ABS	Material List	: SUS3685-001

Pump Test : Performance test in accordance with ISO 9906 2B. Hydrostatic pressure test to 1.5 pump delivery pressure against closed discharge valve. Additional class society certificate(s) as listed above.

ELECTRIC MOTOR

Mfg	: TECO	Type	: TEFC
Model	: TEFC-160M	Weight	: 120.0 kg
Insulation Class	: F	Speed	: 1743 rpm
Temperature Rise	: B	Mounting Type	: V1
Protection	: IP55 (Standard)	Power Supply	: 440V/3Ph/60Hz
Service Factor	: 1	Cable Glands	: Included
Rated Power Output	: 12.10 kW	Thermistor	: --
In	: 18.89 A	SPM Nipple	: --
Is	: 7.120 A	Heating	: -
Starting Method	: DOL	Certificate	: Maker Certificate



Item number : 008
Service : Bilge Pump
Quantity : 1
Quote number : Q17786
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Size : CGC125R
Stages : 1
Speed, rated : 1790 rpm
Based on curve number : CGC125R-3600
Efficiency : 68.01 %
Power, rated : 11.73 kW

Flow, rated : 125.0 m³/h
Differential head / pressure, rated : 22.86 m
Fluid density, rated / max : 1.025 / 1.025 kg/dm³
Viscosity : 1.00 cSt
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010] : 1.00 / 1.00 / 1.00 / 1.00

1. GENERAL DESCRIPTION

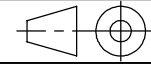
5. OUTLINE DRAWING

Drawn
SV
Date
10.03.09

Design
SV
Date
10.03.09

Checked
ZW
Date
10.03.09

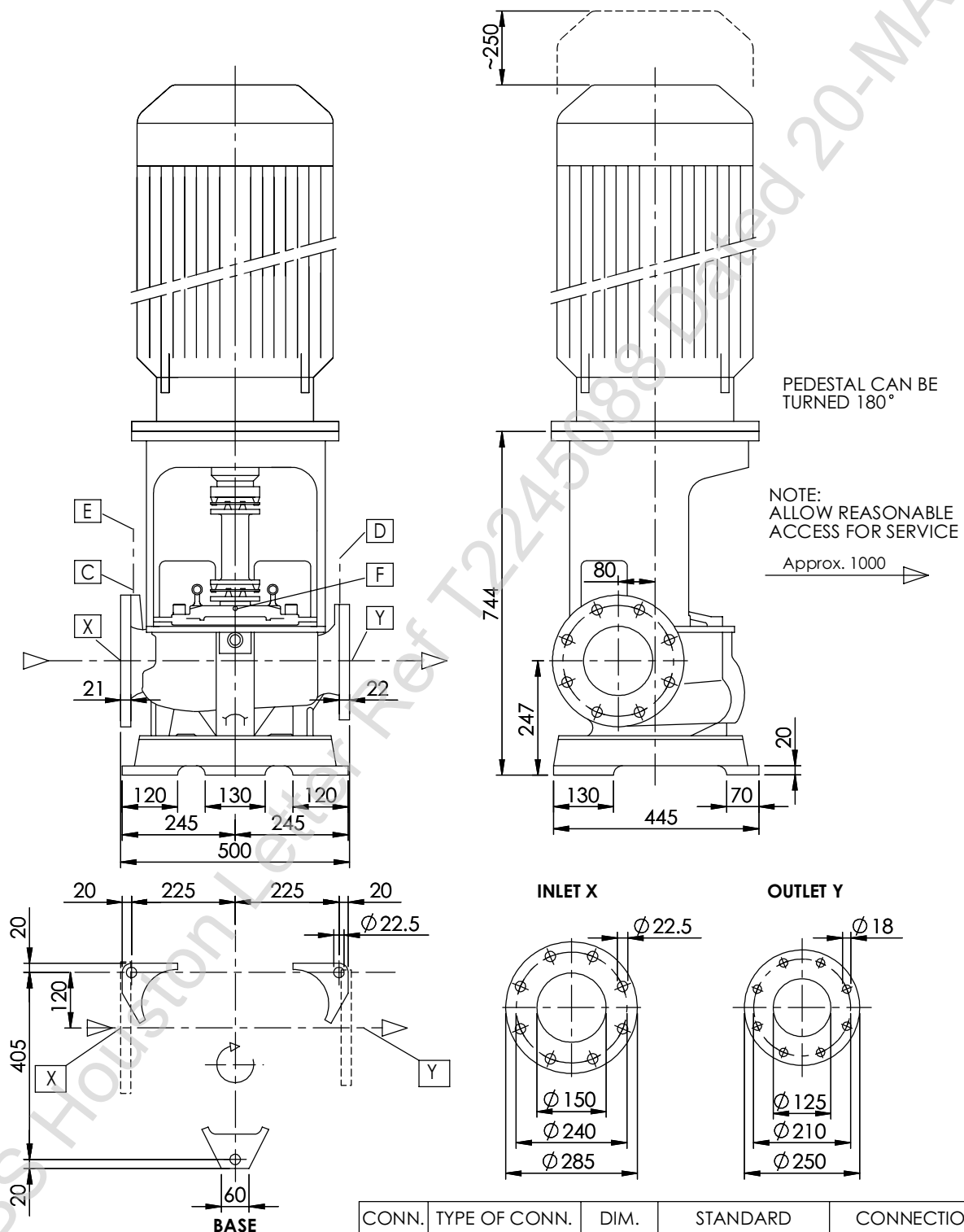
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Lifting clearance for motor overhaul



WEIGHT EXCLUSIVE OF MOTOR 165 kg

CONN.	TYPE OF CONN.	DIM.	STANDARD	CONNECTION FOR
X	FLANGE	DN150	DIN2501-PN10	INLET/SUCTION
Y	FLANGE	DN125	DIN2501-PN10	OUTLET/DELIVERY
C	THREADED	3/4"	BSP Female	SUCTION GAUGE
D	THREADED	3/8"	BSP Female	DELIVERY GAUGE
E	THREADED	3/4"	BSP Female	EVACUATION
F	GREASE NIPPLE	1/8"	BSP, BALL=6.5mm	HYDRAULIC GREASING