

Customer	: Canadian Coast Guard	Quantity	: 1
Customer reference	: Email 26.08.2020	Quote number	: Q17786
Service	: General Service and Fire Pump	Date last saved	: 30 Mar 2021 3:49 PM
Hull No.	: -		
Vessel Type	: LOUIS S. ST. LAURENT		

Item No. 005

Type	: Single suction, single stage, radially split, vertical inline centrifugal pump
Model	: CGB100R-V048-AAN-B11K1-CNB
Weight (w/o motor)	: 145.0 kg
Fluid/Density/Temp	: Sea Water 20°C / 1.025 kg/dm ³ / 20.00 deg C

Serial No. : -

PERFORMANCE DATA

Flowrate	: 100.0 m ³ /h / 75 m ³ /h	Pump Total Head	: 21.30 m / 70.04
Speed	: 1342 rpm / 2228 rpm	Inlet Total Head	: 0.00 m
Rated Power	: 9.05 kW / 30.6 kW	Outlet Total Head	: 21.30 m

Maximum power : 9.53 kW

NPSHr : 1.87 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	: VLT® AQUA Drive FC 202 , 45 KW , IP20 (Max Current: 90A)		

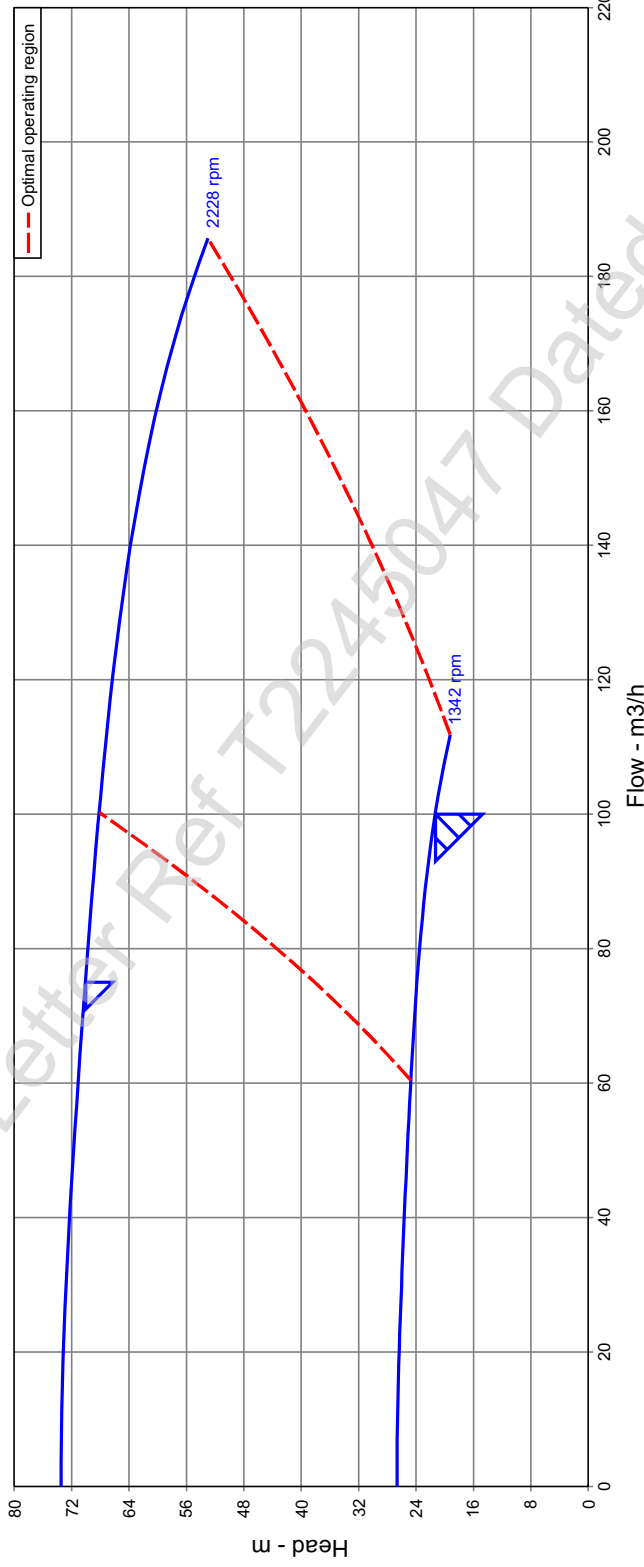
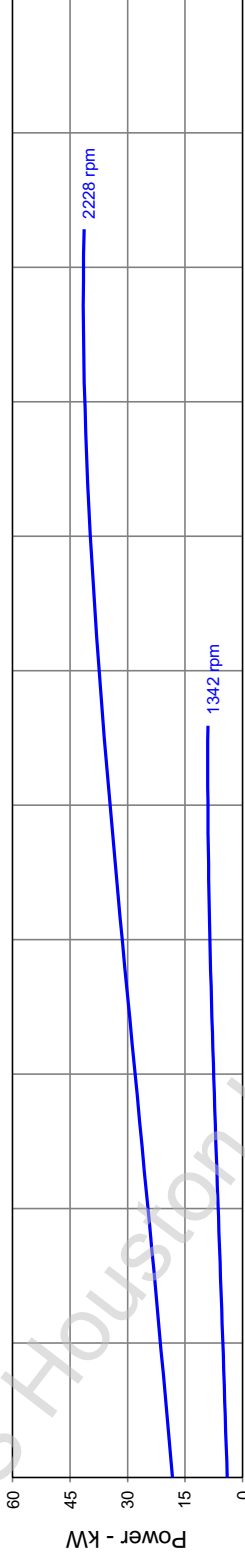
PUMP TEST AND DOCUMENTATION

Description TEST	: Enclosed	Outline Drawing	: SU03395-007
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	: All	Type	: TEFC
Model	: AESU1S-225MA-TEFC	Weight	: 315.0 kg
Insulation Class	: F	Speed	: 3565 rpm
Temperature Rise	: F	Mounting Type	: V1
Protection	: IP55 (Standard)	Power Supply	: 440V/3Ph/60Hz
Service Factor	: 1	Cable Glands	: Included
Rated Power Output	: 50.00 kW	Thermistor	: --
In	: 75.30 A	SPM Nipple	: --
Is	: 588.00 A	Heating	: -
Starting Method	: VFD Full Operation	Certificate	: Maker Certificate



Item number	: 005	Size	: CGB100R	Flow, rated	: 100.0 m ³ /h
Service	: General Service and Fire Pump	Stages	: 1	Differential head / pressure, rated	: 21.30 m
Quantity	: 1	Efficiency	: 65.86 %	Speed, rated	: 1342 rpm
Quote number	: Q17786	Power, rated	: 9.05 kW	Impeller diameter, rated	: 315 mm
Based on curve number	: CGB100R-1800	NPSH required		Fluid density, rated / max	: 1.025 / 1.025 kg/dm ³
Date last saved	: 30 Mar 2021 3:49 PM	Site Supply Frequency	: 60 Hz	Viscosity	: 1.00 cSt
		Nominal speed	: 3600 rpm	Cq/Ch/Ce/Cn	: 1.00 / 1.00 / 1.00 / 1.00
				[ANSI/HI 9.6.7-2010]	

1. GENERAL DESCRIPTION

Drawn	Date
SV	10.03.09

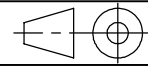
5. OUTLINE DRAWING

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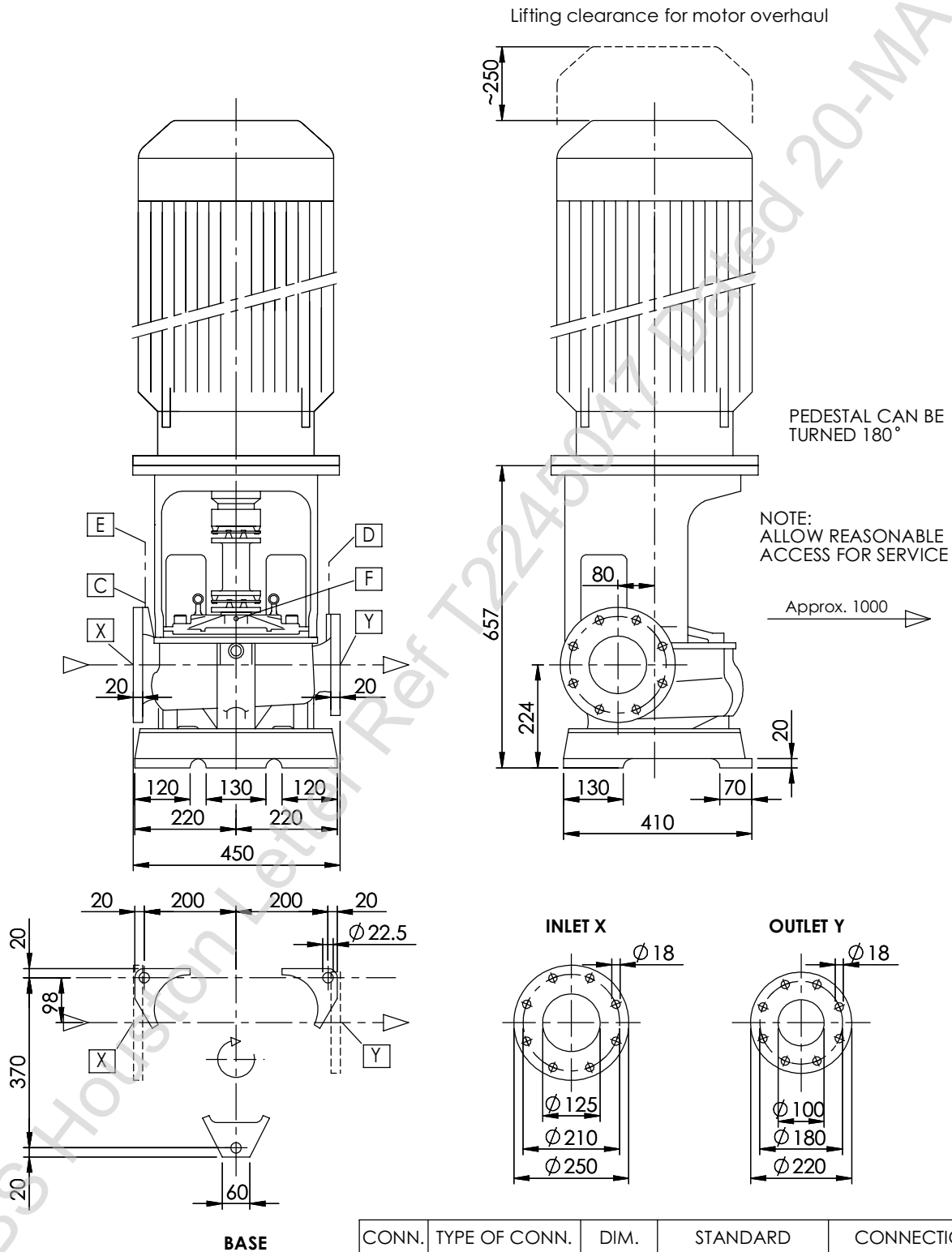
Design	Date
SV	10.03.09

Checked	Date
ZW	10.03.09

Scale
1:12.5



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CONN.	TYPE OF CONN.	DIM.	STANDARD	CONNECTION FOR
X	FLANGE	DN125	DIN2501-PN10	INLET/SUCTION
Y	FLANGE	DN100	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

WEIGHT EXCLUSIVE OF MOTOR 145 kg