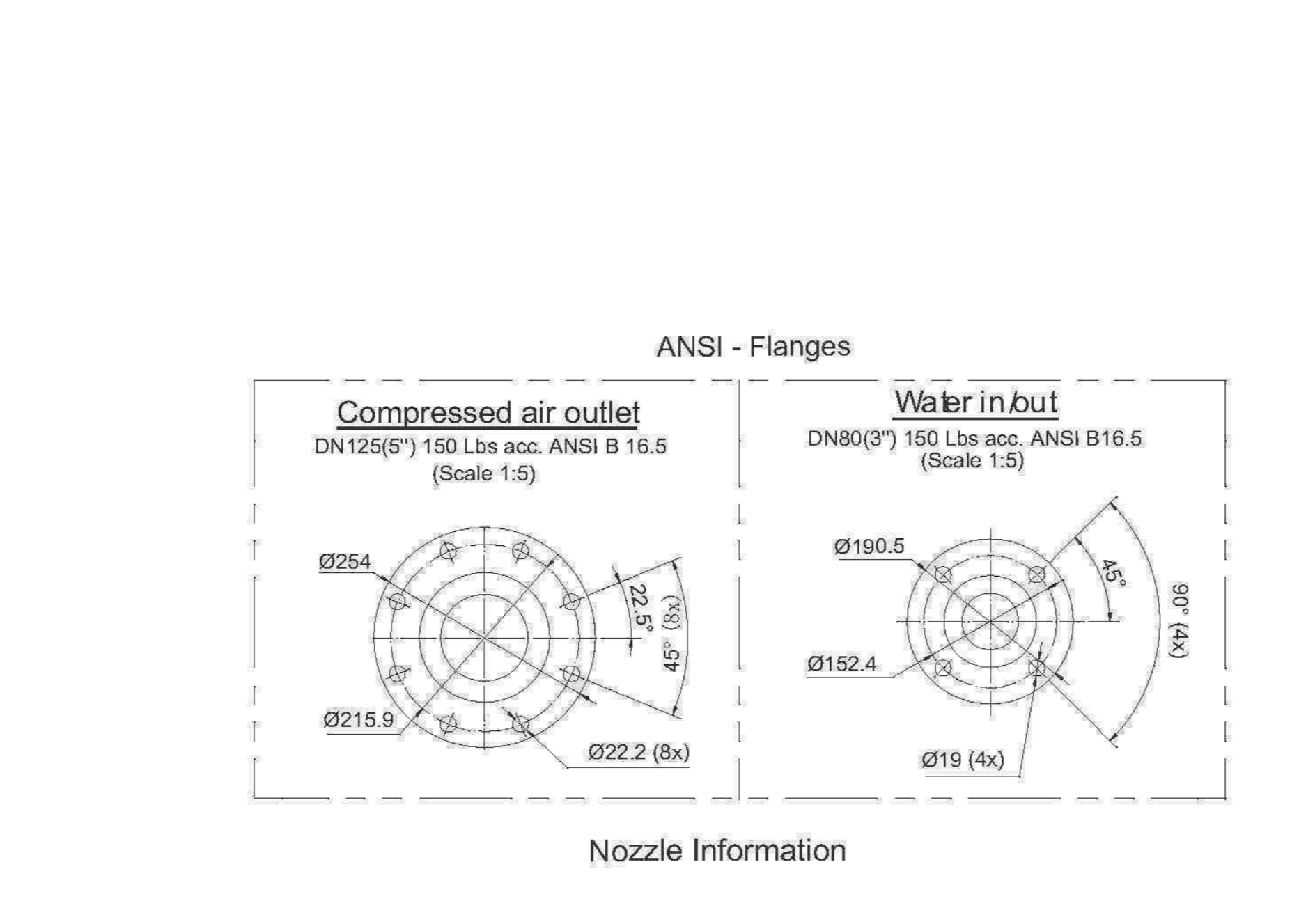
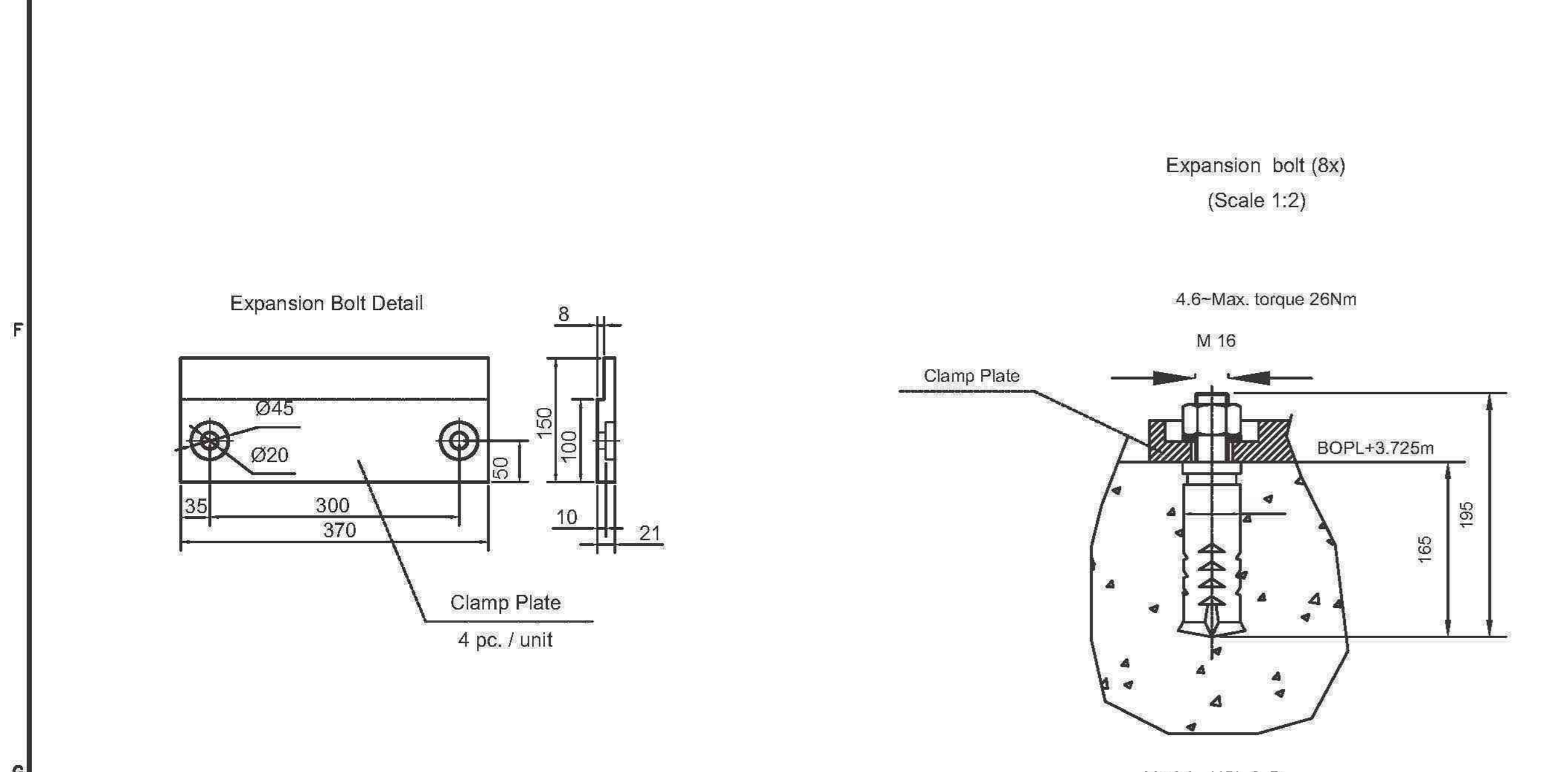


Performance description	
KKS NO.:	00QEA11AN001
	00QEA12AN001
	00QEA13AN001
	00QEA14AN001
Total Quantity:	4
Model:	ZR500-10
Capacity : (at 1 bar(a) & 20°C )	73.1m³/min
Work pressure:	10 bar(g)
Pressure range:	6~10 bar(g)
Discharge design temperature:	<45°C
Cooling water flow rate :	32.5 m3/h
Weight :	9400 kg
Rotating weight :	9400 kg
Type:	Rotary Oil Free
Cooling water design temperature:	38°C
Temperature rise of cooling water:	10°C
Heat Duty (MJ/h):	1349



- Note: 1 The equipment is installed without the need of the anchor bolts, only need the expansion bolts which will be supplied with the equipment. Expansion bolts quantity:8, size: M16x150, brand: Hilti, since the horizontal moment is lower since this is rotary screw type air compressor.
- 2 Seismic design parameters:  
 Component important factor, Ip = 1.0  
 Component response modification factor, Rp = 2.5  
 Component amplification factor, Ap = 1.0  
 Seismic design force, Fp = 0.264Wp
- 3 Integrated expansion joint at compressed air outlet and integrated water separator are furnished with each air compressor.
- 4 The surface of foundation shall be flat, grouting will be required.
- 5 Equipment operation load equal to the "Z dead load" (-93KN) in the load list, no living load during operation.
- 6 Expansion bolts instruction see document "Inspection Reports". (TJB56-L3-OFF-C-QEA-PM-SCH-7001)
- 7 System description drawing refer to drawing No. TJB-L3-OFF-C-QEA-M-MAN-0001
- 8 PI&D refer to drawing No. TJB-L3-OFF-C-QEA-M-PID-2181.
- 9 Air compressor / dryer's arrangement plan and section drawing refer to drawing No. (TJB56-L3-OFF-C-UMA-M-DGA-2020&2021)
- 10 The insulation material is polyester fiber and the thickness of the polyester fiber is 25mm. The standards of the noise control are ISO 2151:2004 and ISO 9614-2.
- 11 Each section of the cover of the air compressor can be easily disassembled, including the top protective cover (please see top side view) and the weight of each cover section is about 15kg.



Load list			
Z dead load	+/-X seismic load	+/-Y Seismic load	+/-Vertical Seismic load
-93 KN	+/- 24.6 KN	+/- 24.6 KN	+/- 10.5 KN

NOTE : ALL LOADS ARE ACTED AT CG OF EQUIPMENT.

**AS BUILT**

Center of gravity : Air Compressor ZR500-10				
origin: Bottom of frame, right side facing control cubicle				
x: length of compressor	y: width of compressor	z: height		
TYPE				
ZR500-10 MV IP55	1662	1059	990	9400
				8200 without motor

NOZZLE TABLE											
NOZZLE	DESCRIPTION	SIZE	CONNECTION	MATERIAL	CONNECTION	Allowable load(N)			Allowable moment(Nm)		
						FX	FY	FZ	MX	MY	MZ
A	AIR OUTLET	DN125	ASME B16.5	Steel 11 1430 (DIN 17 100 - R51 37 2)	Flange	±400	±800	±400	±100	±400	±100
B	COOLING WATER INLET	DN80	ASME B16.5	Steel 11 1430 (DIN 17 100 - R51 37 2)	Flange	±300	±600	±300	±100	±200	±100
C	COOLING WATER OUTLET	DN80	ASME B16.5	Steel 11 1430 (DIN 17 100 - R51 37 2)	Flange	±300	±600	±300	±100	±200	±100
D/E	MANUAL DRAIN	DN15	NPT Class 3000#	Steel 11 1430 (DIN 17 100 - R51 37 2)	female thread	±400	±400	±400	±400	±400	±400
F/G	AUTO DRAIN	DN15	NPT Class 3000#	Steel 11 1430 (DIN 17 100 - R51 37 2)	female thread	±400	±400	±400	±400	±400	±400

1	12/FEB/2022	ISSUED FOR AS-BUILT			
0	09/JULY/2018	ISSUED FOR CONSTRUCTION			
NO DD/MM/YY REVISIONS AND RECORD OF ISSUE BY DESIGNED/APP					
OWNER: <b>PT. Shum Jati Power</b>					
PROJECT TITLE: <b>TANJUNG JATI B EXPANSION (GAMA-0) COAL FIRED STEAM POWER PLANT 2 x 1000 MW</b>					
OWNER'S ENGINEER: <b>POYRY</b>					
EPC CONTRACTORS: <b>Sumitomo Corporation</b> , <b>PT. Wana Mitra Engineering</b> , <b>AveniPower Japan Ltd.</b>					
PROJECT DRAWING NO. <b>TJB56-L3-OFF-C-QEA-M-DGA-7001</b> REV. <b>1</b>					
PLANT AIR COMPRESSOR (ZR500-10) GENERAL ARRANGEMENT DRAWING					
1:100 0 2000 4000 6000 8000 UNITS VIEW					
SCALE IN MILLIMETERS					
APPD/ENGR: <b>黒木</b> BY: <b>黒木</b>					
CHKD: <b>黒木</b> 15/MAY/2018					
EPC LOT3 SUB-CONTRACTOR: <b>BLACK &amp; VEATCH</b> SPEC NAME: COMPRESSED AIR EQUIPMENT SPEC NO.: 179956.67.4101					
EPC LOT3 SUB-CONTRACTOR DRAWING NO.: <b>8829 3104 17</b>					
SHEET NO. <b>1</b> OF <b>1</b> REV. <b>1</b>					