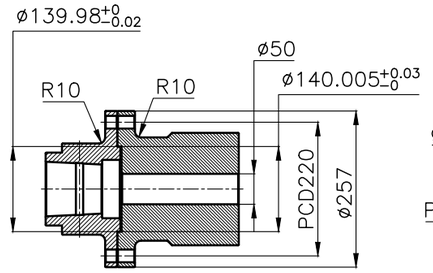
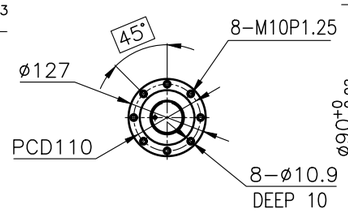
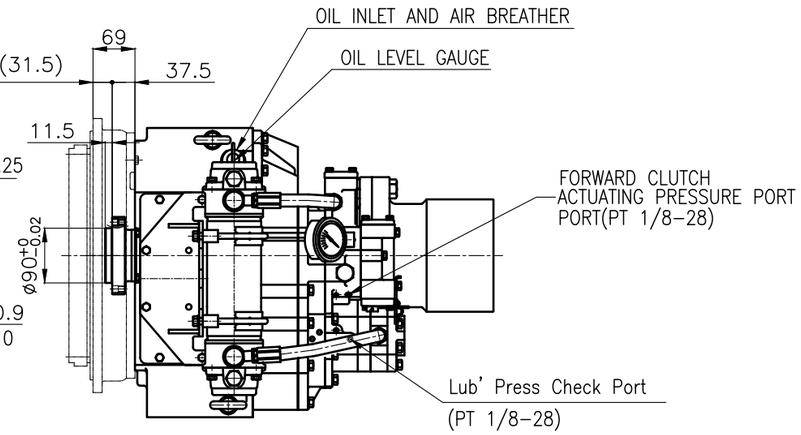


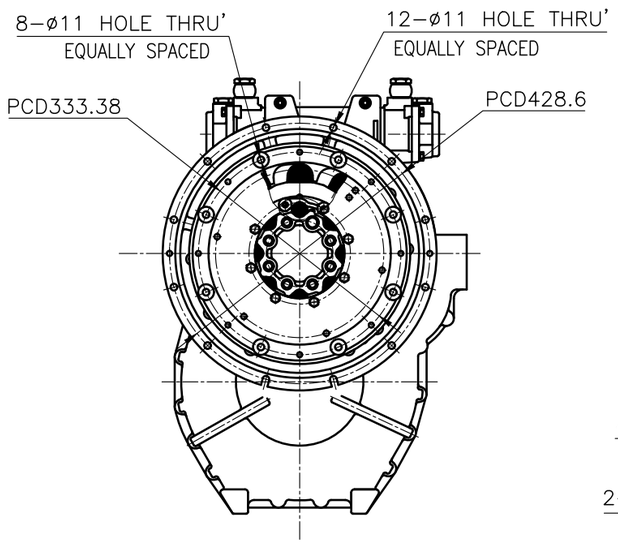
OUTPUT SHAFT COUPLING & PROPELLER COUPLING DIMENSION

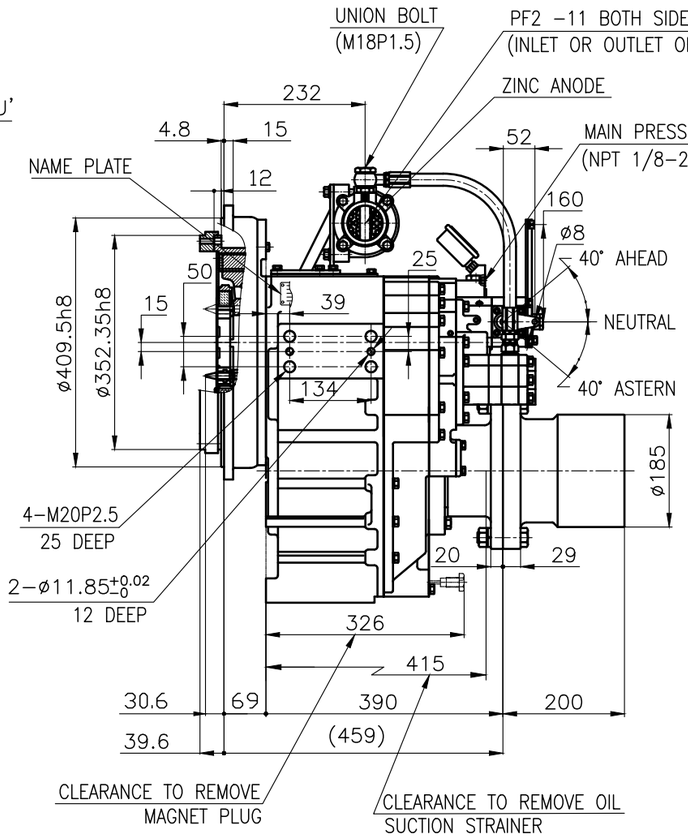


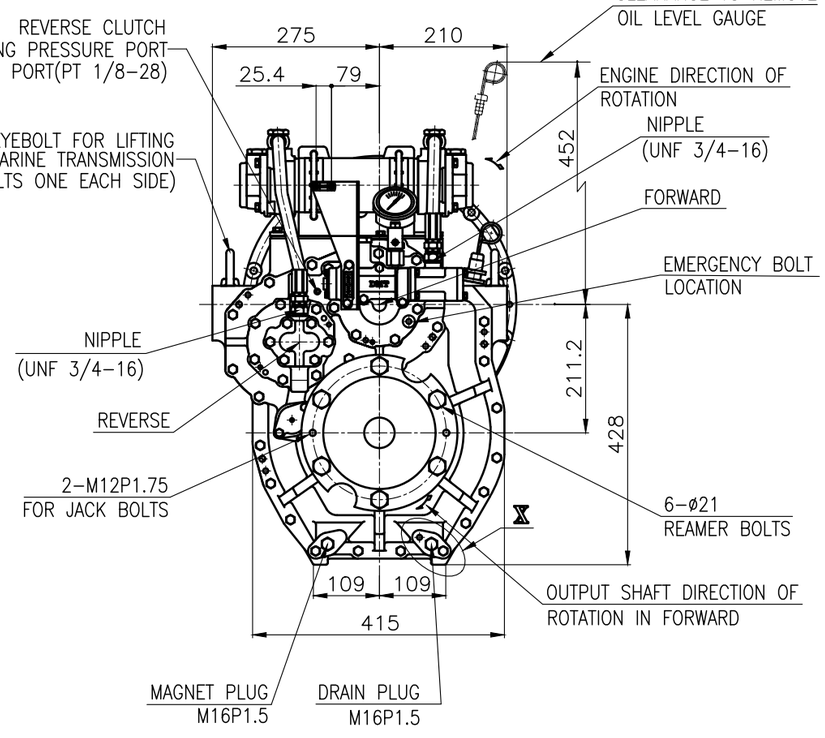
INPUT COUPLING DIMENSION



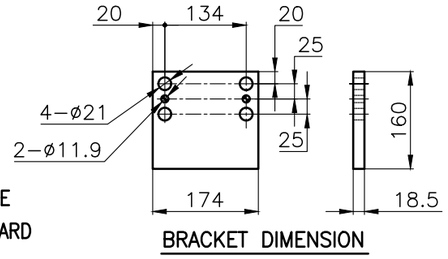
DMT 190H MARINE TRANSMISSION SPECIFICATION			
GEAR RATIO	1.83, 2.09 , 2.52 , 3.08 , 3.43		
TOTAL WEIGHT	APPROX. 300 kg(DRY)		
OIL CAPACITY	APPROX. 5.5 L		
OIL VISCOSITY	SAE # 30		
OIL PRESSURE	1.96 ~ 2.54 MPa	CLUTCH OIL	
DIRECTION OF ROTATION IN FORWARD	INPUT	C.C.W VIEWED FROM THE STERN	
	OUTPUT	C.W VIEWED FROM THE STERN	
OIL CHANGE INTERVAL	THE FIRST 100HOURS OF INITIAL OPERATION		
	AND EVERY 1000HOURS THEREAFTER		
SHIFTING LIMIT	UNDER 50% OF THE RATED ENGINE SPEED		
OIL COOLER	WATER FLOW 40 ~ 60L/min		
	TEMPERATURE OF COOLING WATER	MAX 32°C	
OPERATING TORQUE OF SHIFTING LEVER	UNDER 2.94Nm		



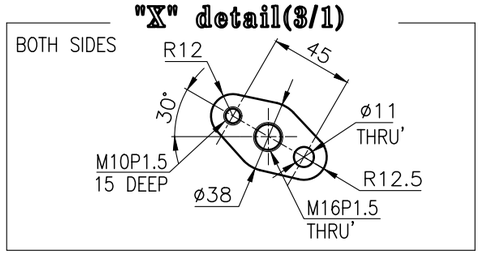




REMARK
1.HOUSING: SAE#3
2.DRIVING RING: SAE 11.5"
3.COUPLING TYPE : DUAL STAGE
4.APPLICATION ENGINE : STANDARD



BRACKET DIMENSION



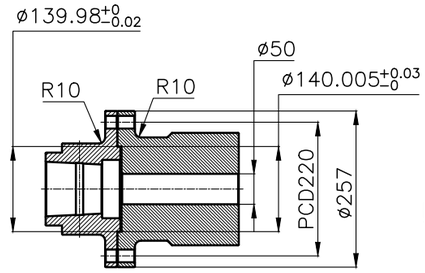
공통공차 TOLERANCE ON	분수 FRACTIONS	소수 DECIMALS	각도 ANGLES
	± ——	± ——	± ——

일반공차	절삭가공 구분		조급	중급	정급
	1초과	4 이하	± 0.3	± 0.1	± 0.05
	4	16	± 0.5	± 0.2	± 0.07
	16	63	± 0.7	± 0.3	± 0.1
	63	250	± 1.2	± 0.5	± 0.2
	250	1000	± 2.0	± 0.8	± 0.3

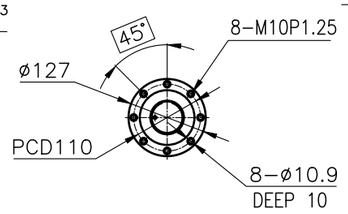
번호 NO.	품번 PART NO.	품명 PART NAME	개수 Q'TY	재질 MATERIAL	규격 SIZE	비고 REMARKS

재질 MATERIAL	——		형식 TYPE	DMT190H
	작성 DATE 2018.06.29	척도 SCALE 1/1		원도번 ORIGINAL DWG. NO.
승인 APPROVED BY	검도 CHECKED BY	제도 DRAWN / 설계 DESIGNED	품명 NAME	MARINE TRANSMISSION
JK.Kim	TH.Cha	GH.Park	도번 DWG. NO.	190000A~E-3115DC
D-I INDUSTRIAL			크기 SIZE	A3
			코드번호 CODE ID. NO.	

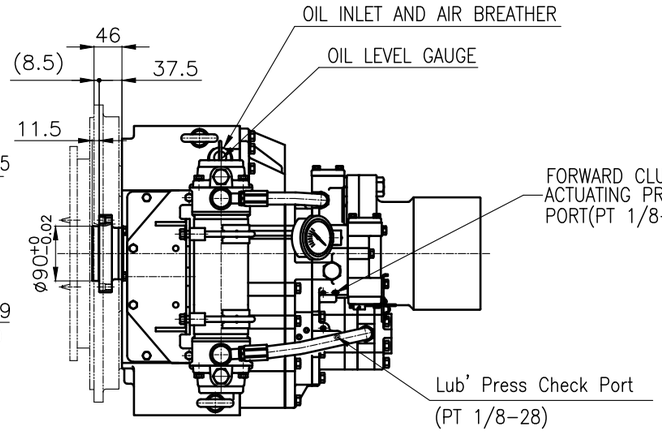
계정(REV.) 000



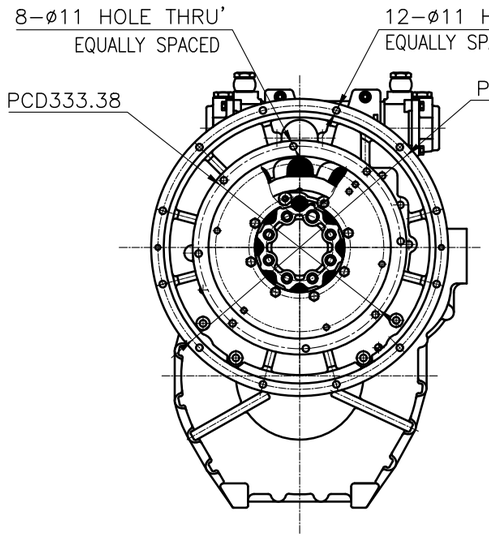
OUTPUT SHAFT COUPLING & PROPELLER COUPLING DIMENSION

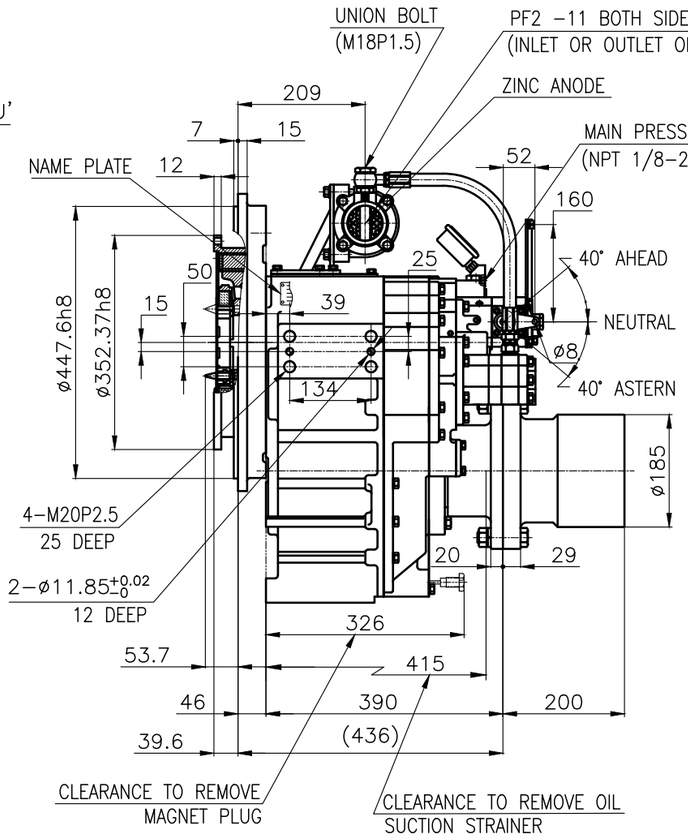


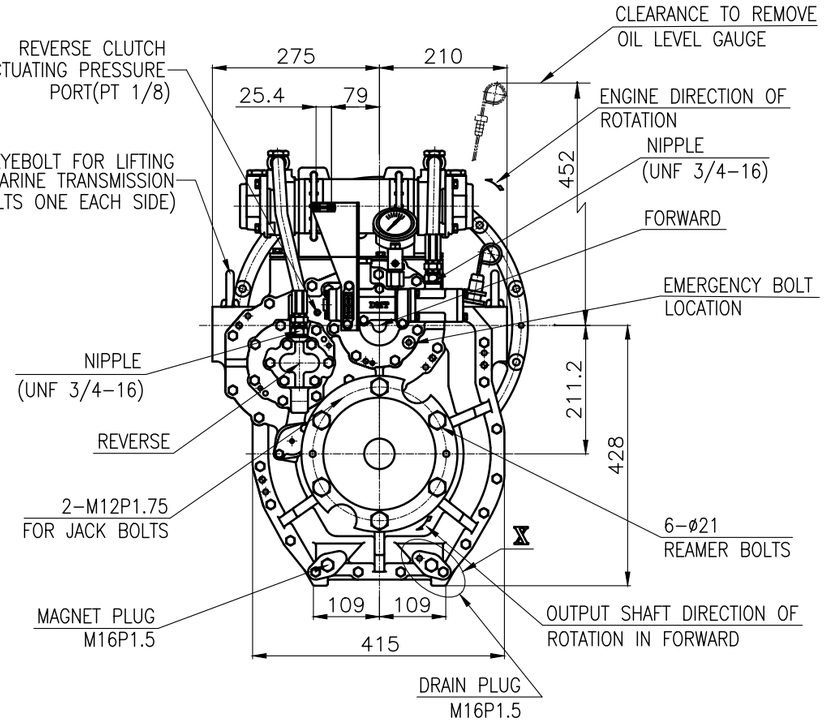
INPUT COUPLING DIMENSION



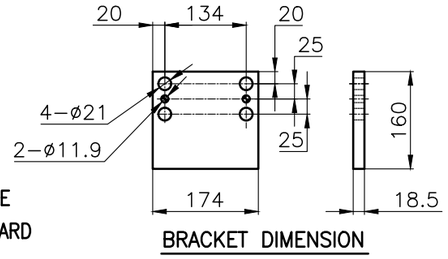
DMT 190H MARINE TRANSMISSION SPECIFICATION		
GEAR RATIO	1.83, 2.09 , 2.52 , 3.08 , 3.43	
TOTAL WEIGHT	APPROX. 300 kg(DRY)	
OIL CAPACITY	APPROX. 5.5 L	
OIL VISCOSITY	SAE # 30	
OIL PRESSURE	1.96 ~ 2.54 MPa	CLUTCH OIL
DIRECTION OF ROTATION IN FORWARD	INPUT	C.C.W VIEWED FROM THE STERN
	OUTPUT	C.W VIEWED FROM THE STERN
OIL CHANGE INTERVAL	THE FIRST 100HOURS OF INITIAL OPERATION	
	AND EVERY 1000HOURS THEREAFTER	
SHIFTING LIMIT	UNDER 50% OF THE RATED ENGINE SPEED	
OIL COOLER	WATER FLOW 40 ~ 60L/min	
	TEMPERATURE OF COOLING WATER	MAX 32°C
OPERATING TORQUE OF SHIFTING LEVER		UNDER 2.94Nm





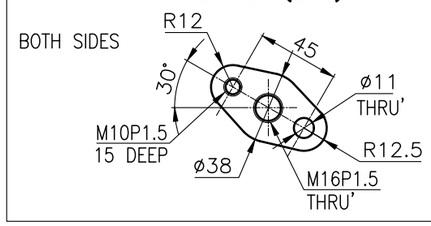


REMARK
1.HOUSING: SAE#2
2.DRIVING RING: SAE 11.5"
3.COUPLING TYPE : DUAL STAGE
4.APPLICATION ENGINE : STANDARD



BRACKET DIMENSION

"X" detail(3/1)



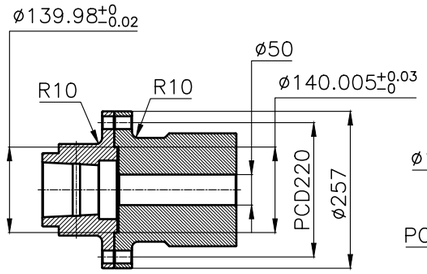
공통공차 TOLERANCE ON			
분수 FRACTIONS ±	소수 DECIMALS ±	각도 ANGLES ±	
절삭가공			
구분	조급	중급	정급
1초과 4 이하	± 0.3	± 0.1	± 0.05
4 16	± 0.5	± 0.2	± 0.07
16 63	± 0.7	± 0.3	± 0.1
63 250	± 1.2	± 0.5	± 0.2
250 1000	± 2.0	± 0.8	± 0.3

번호 NO.	품번 PART NO.	품명 PART NAME	개수 Q'TY	재질 MATERIAL	규격 SIZE	비고 REMARKS

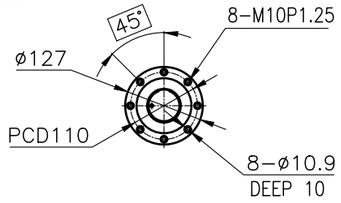
재질 MATERIAL			형식 TYPE	DMT190H
	작성 DATE 2018.06.29	척도 SCALE 1/1		원도번 ORIGINAL DWG. NO.
승인 APPROVED BY	검도 CHECKED BY	제도 DRAWN / 설계 DESIGNED	품명 NAME	MARINE TRANSMISSION
JK.Kim	TH.Cha	BJ.Moon	도번 DWG. NO.	190000A~E-2115DC
D-I INDUSTRIAL			크기 SIZE	A3
			코드번호 CODE ID. NO.	

개정(REV.) 000

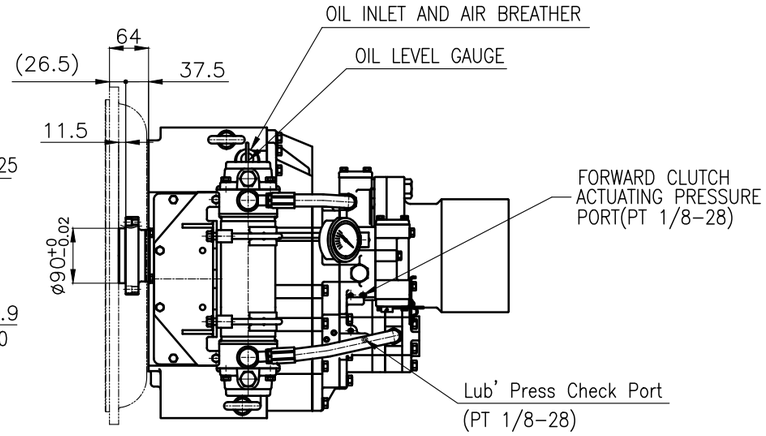
DWG.NO. 190000A~E-114DC | 개정(REV.) 000



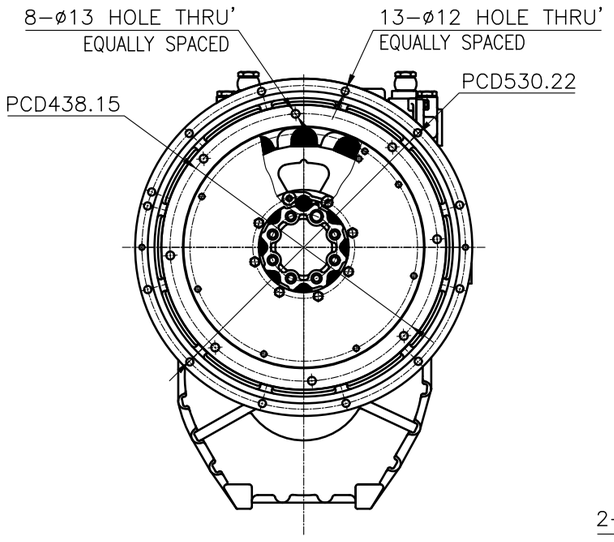
OUTPUT SHAFT COUPLING & PROPELLER COUPLING DIMENSION

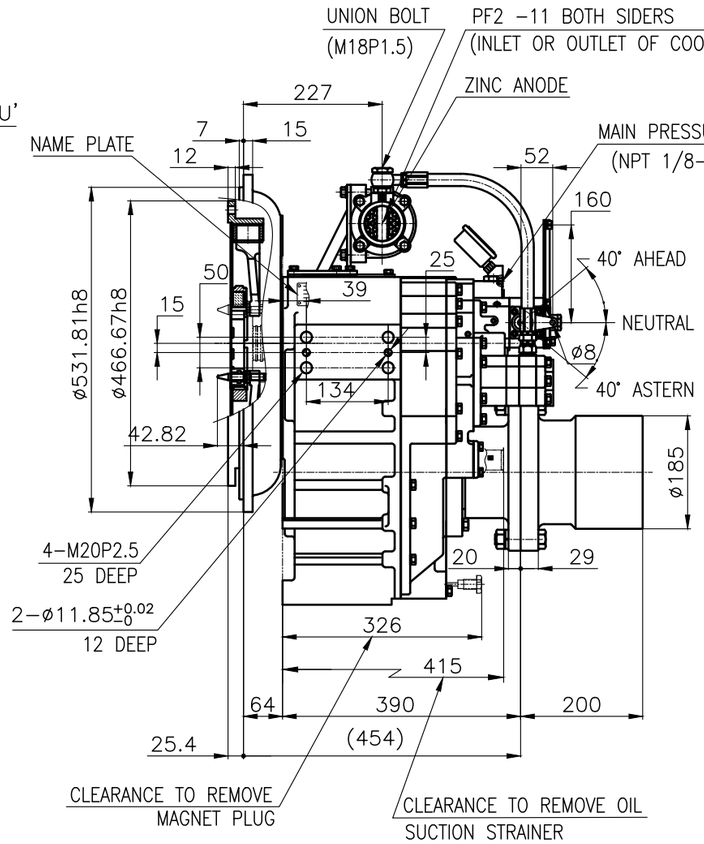


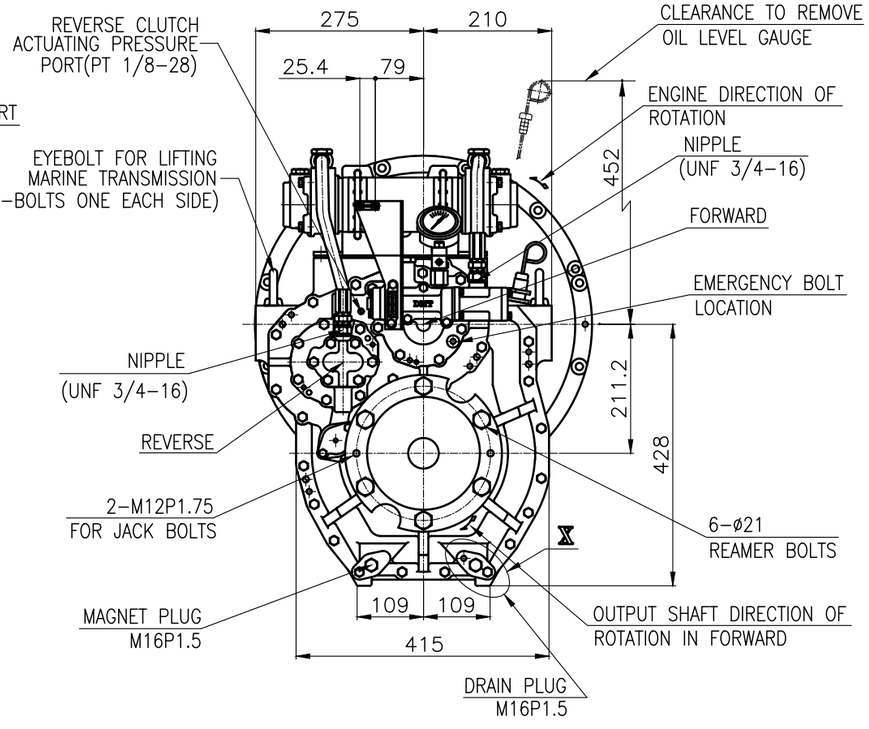
INPUT COUPLING DIMENSION

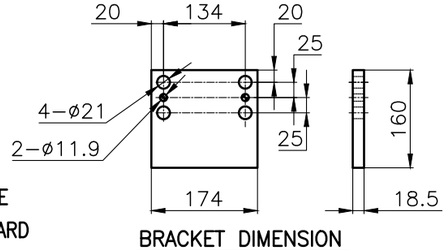


DMT 190H MARINE TRANSMISSION SPECIFICATION			
GEAR RATIO	1.83, 2.09 , 2.52 , 3.08 , 3.43		
TOTAL WEIGHT	APPROX. 300 kg(DRY)		
OIL CAPACITY	APPROX. 5.5 L		
OIL VISCOSITY	SAE # 30		
OIL PRESSURE	1.96 ~ 2.54 MPa		CLUTCH OIL
DIRECTION OF ROTATION IN FORWARD	INPUT	C.C.W VIEWED FROM THE STERN	
	OUTPUT	C.W VIEWED FROM THE STERN	
OIL CHANGE INTERVAL	THE FIRST 100HOURS OF INITIAL OPERATION		
	AND EVERY 1000HOURS THEREAFTER		
SHIFTING LIMIT	UNDER 50% OF THE RATED ENGINE SPEED		
OIL COOLER	WATER FLOW 40 ~ 60L/min		
	TEMPERATURE OF COOLING WATER		MAX 32°C
OPERATING TORQUE OF SHIFTING LEVER			UNDER 2.94Nm



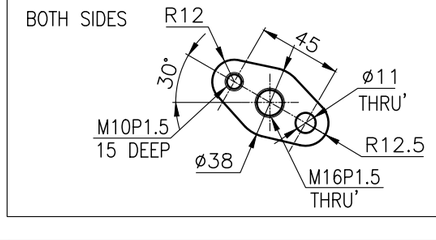






BRACKET DIMENSION

"X" detail(3/1)



REMARK
1.HOUSING: SAE#1
2.DRIVING RING: SAE 14"
3.COUPLING TYPE : DUAL STAGE
4.APPLICATION ENGINE : STANDARD

공통공차 TOLERANCE ON			
분수 FRACTIONS ± —	소수 DECIMALS ± —	각도 ANGLES ± —	
절삭가공			
구분	조급	중급	정급
1초과 4 이하	± 0.3	± 0.1	± 0.05
4 16	± 0.5	± 0.2	± 0.07
16 63	± 0.7	± 0.3	± 0.1
63 250	± 1.2	± 0.5	± 0.2
250 1000	± 2.0	± 0.8	± 0.3

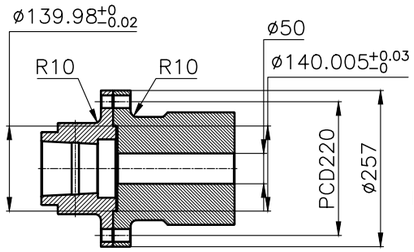
번호 NO.	품번 PART NO.	품명 PART NAME	재수 Q'TY	재질 MATERIAL	규격 SIZE	비고 REMARKS

재질 MATERIAL	—			
	작성 DATE 2018.06.29	척도 SCALE	1/1	
승인 APPROVED BY	검도 CHECKED BY	제도 DRAWN	설계 DESIGNED	
JK.Kim	TH.Cha	BJ.Moon		

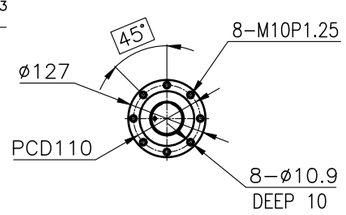
형식 TYPE	DMT190H	원도번 ORIGINAL DWG. NO.	
품명 NAME	MARINE TRANSMISSION		
도번 DWG. NO.	190000A~E-114DC	개정(REV.)	000
크기 SIZE	A3	코드번호 CODE ID. NO.	

D-I INDUSTRIAL

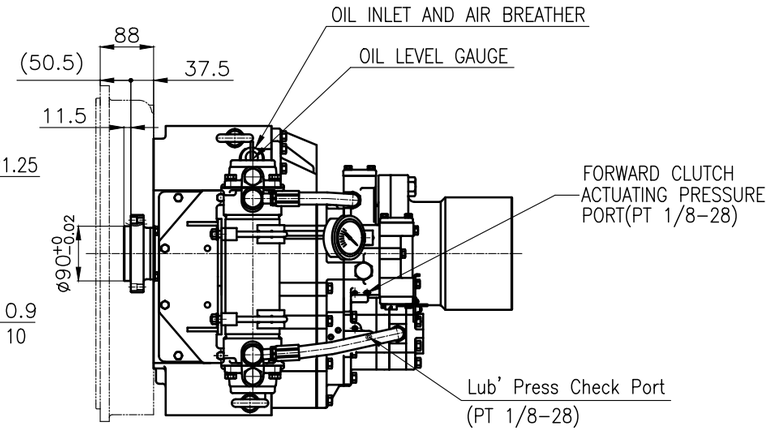
SHEET 1 OF 1
툴이기술-004(841×594)



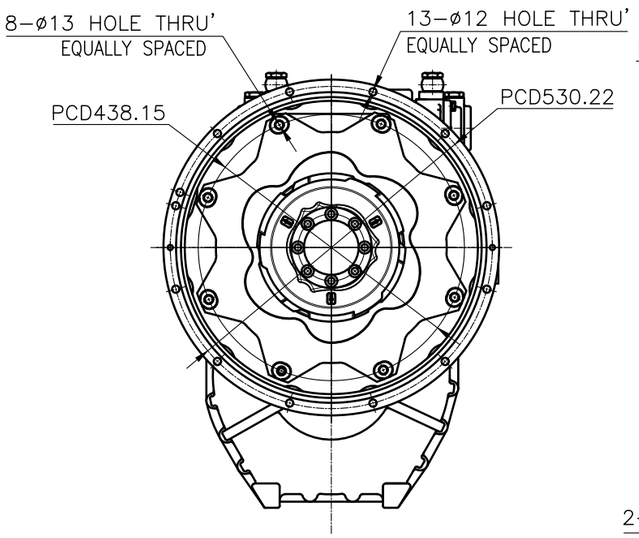
OUTPUT SHAFT COUPLING & PROPELLER COUPLING DIMENSION

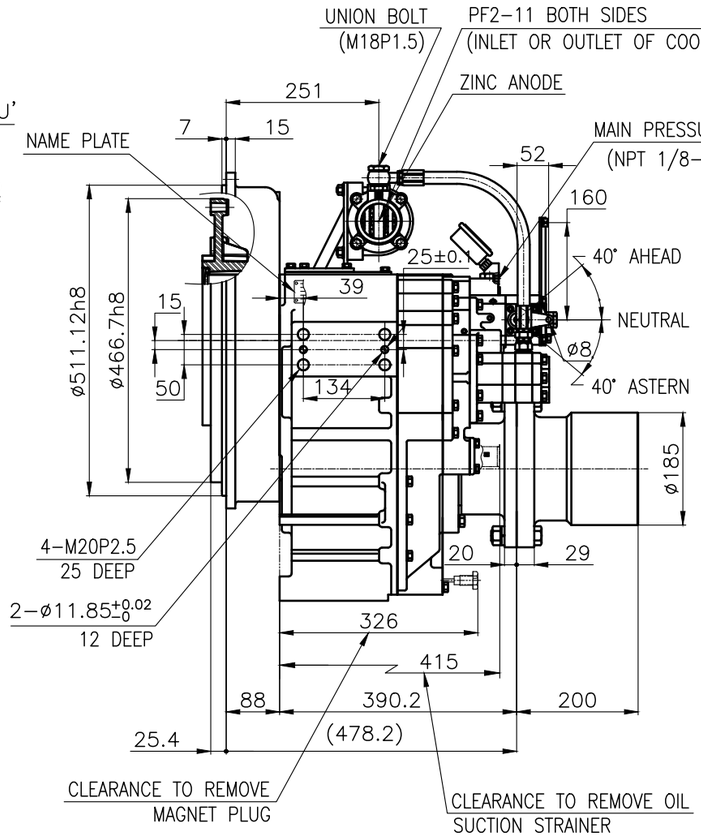


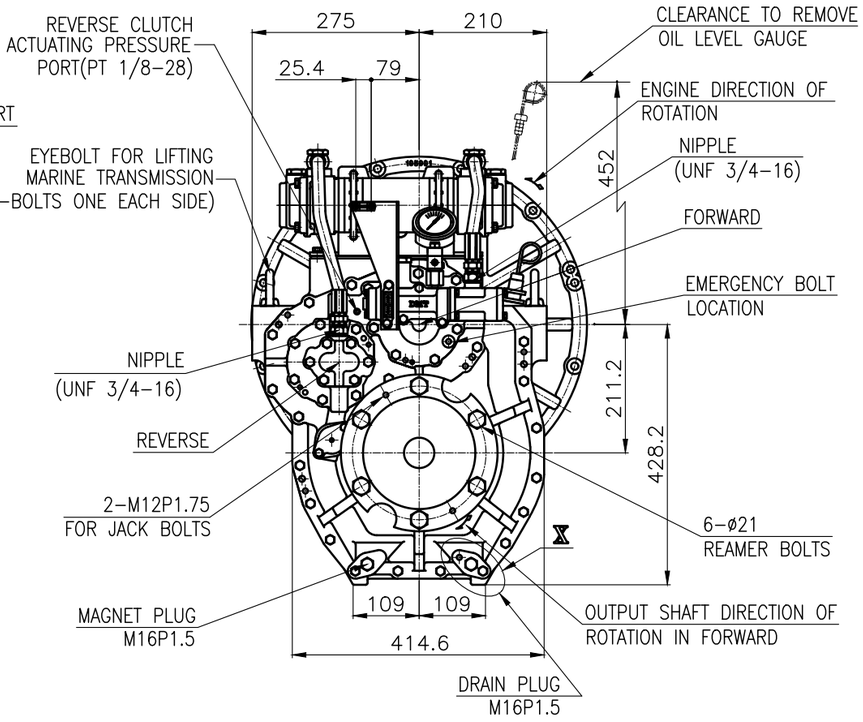
INPUT COUPLING DIMENSION



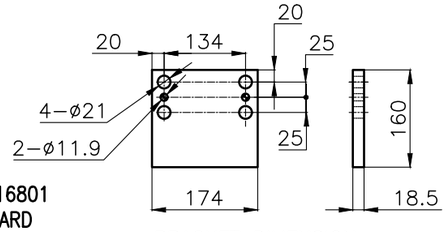
DMT 190H MARINE TRANSMISSION SPECIFICATION		
GEAR RATIO	1.83, 2.09 , 2.52 , 3.08 , 3.43	
TOTAL WEIGHT	APPROX. 300 kg(DRY)	
OIL CAPACITY	APPROX. 5.5 L	
OIL VISCOSITY	SAE # 30	
OIL PRESSURE	1.96 ~ 2.54 MPa	CLUTCH OIL
DIRECTION OF ROTATION IN FORWARD	INPUT	C.C.W VIEWED FROM THE STERN
	OUTPUT	C.W VIEWED FROM THE STERN
OIL CHANGE INTERVAL	THE FIRST 100HOURS OF INITIAL OPERATION	
	AND EVERY 1000HOURS THEREAFTER	
SHIFTING LIMIT	UNDER 50% OF THE RATED ENGINE SPEED	
OIL COOLER	WATER FLOW 40 ~ 60L/min	
	TEMPERATURE OF COOLING WATER	MAX 32°C
OPERATING TORQUE OF SHIFTING LEVER		UNDER 2.94Nm



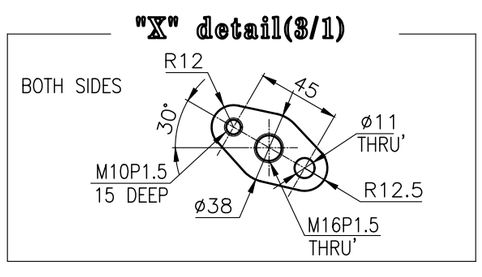




REMARK
1.HOUSING: SAE#1
2.DRIVING RING: SAE 14"
3.COUPLING TYPE
-CENTA Flex Coupling : 77216801
4.APPLICATION ENGINE : STANDARD



BRACKET DIMENSION



공통공차 TOLERANCE ON	번호 NO.	품번 PART NO.	품명 PART NAME	개수 Q'TY	재질 MATERIAL	규격 SIZE	비고 REMARKS
분수 FRACTIONS ± — / 소수 DECIMALS ± — / 각도 ANGLES ± —	재질 MATERIAL			형식 TYPE	DMT190H		원도번 ORIGINAL DWG. NO.
절삭가공 일반공차: 구분 / 초급 / 중급 / 정급		작성 DATE 2018.06.29	척도 SCALE 1/1	품명 NAME	MARINE TRANSMISSION		
1 초과 4 이하: ± 0.3 / ± 0.1 / ± 0.05	승인 APPROVED BY	검도 CHECKED BY	제도 DRAWN / 설계 DESIGNED	도번 DWG. NO.	190000A~E-114CFR		개정(REV.) 000
4 16: ± 0.5 / ± 0.2 / ± 0.07	JK.Kim	TH.Cha	CH.Baek				
16 63: ± 0.7 / ± 0.3 / ± 0.1	D-I INDUSTRIAL			크기 SIZE	A3	코드번호 CODE ID. NO.	
63 250: ± 1.2 / ± 0.5 / ± 0.2							
250 1000: ± 2.0 / ± 0.8 / ± 0.3							