



# PT. BIRO KLASIFIKASI INDONESIA (Persero)

## HEAD OFFICE

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E-mail : ho@bki.co.id  
Website : www.bki.co.id

Reff No. : B. 03998/PS.303/KI-20  
Attachments(s) : 10 (ten) Set of Certificate  
Subject : DESIGN APPROVAL CERTIFICATE

Jakarta, 15 April 2020

D-I INDUSTRIAL CO.,LTD.  
13, Namgang-ro 1367 Beon-gil,  
Jinju-si, Gyeongsangnam-do,  
KOREA 52781

1. We would like to thank you for your interest and commitment to have your product to be approved by PT. Biro Klasifikasi Indonesia (Persero). Following your application and completion of approval process, we are glad to inform you that your product have already met the requirements and BKI has issued design approval certificate for the following products :

Products	Grade	No. of Approval Certificate	No. of Approval
Reduction Gear for Diesel Propulsion	DMT280H	00037.20.TP00463	00011DA20
	DMT300HL	00038.20.TP00464	00012DA20
	DMT330HL	00039.20.TP00465	00013DA20
	DMT400H	00040.20.TP00466	00014DA20
	DMT430H	00041.20.TP00467	00015DA20
	DMT450DL	00042.20.TP00468	00016DA20
	DMT460HL	00043.20.TP00469	00017DA20
	DMT550H	00044.20.TP00470	00018DA20
	DMT561HL	00045.20.TP00471	00019DA20
	DMTP6500	00046.20.TP00472	00020DA20

2. BKI will cancel the approval certificate when the following conditions occur :
  - a. The approval fees are not paid.
  - b. Design or material of product was changed or modified with out notice to BKI.
  - c. When a request for withdrawal is made by manufacturer.
3. After this approval, when you want to supply the above marine gears that need to be provided with BKI certificate, you have to send application to BKI Branch Office together the copy of approval certificate.
4. Thank you for your kind attention and cooperation. We are looking forward to productive partnership and wish you a lot of success with your products.

o.b. Operation Director  
On behalf  
VP of Material & Component Division  
  
I. ARIEF BUDI PERMANA  
NUP : 42896-KI



# BIRO KLASIFIKASI INDONESIA

## SERTIFIKAT PERSETUJUAN DESAIN

### *Design Approval Certificate*

No. 00043.20.TP00469

No. Persetujuan : 00017DA20  
*Approval no.*

Tanggal persetujuan : 31 March 2020  
*Date of approval*

Dengan ini dinyatakan bahwa desain dari produk dibawah ini telah disetujui berdasarkan  
*This is to certify that the design of following products has been approved in accordance with*  
persyaratan dari Peraturan dan/atau Standard yang tercantum dibawah ini  
*requirements of the Rules and / or Standards listed below*

Produk : **Reduction Gear for Diesel Propulsion**  
*Product*

Pembuat : **D-I INDUSTRIAL CO., LTD.**  
*Manufacturer* 13, Namgang-ro 1367 Beon-gil, Jinju-si, Gyeongsangnam-do, Korea. 52781

Tipe produk : **DMT460HL**  
*Type designation*

Standard persetujuan : Rules for Machinery Installations (Pt. 1, Vol. III)  
*Approval standards* Guidance for The Approval and Type Approval of Materials and Equipment  
for Marine Use (Pt. 1, Vol W)

Sertifikat ini berlaku hingga tanggal yang ditetapkan di bawah dengan syarat jika terdapat  
*This certificate remains valid until the date set below provided that if there are*  
perubahan atau modifikasi pada produk harus segera diberitahukan ke BKI.  
*any alterations or modifications to the approved product, BKI shall be notified immediately.*

Sertifikat ini berlaku sampai dengan : **30 March 2025**  
*This certificate is valid until*

Jakarta, 13 April 2020

a.n. Direktur Operasi  
Kepala Departemen Operasi Klasifikasi  
*o.b. Operation Director*  
*SVP of Classification Operation*

**ARIEF BUDI PERMANA**

Catatan : Sertifikat ini terdiri dari 3 halaman  
*Note This certificate is consist of 3 pages*

Jika Peraturan atau Standard yang digunakan dalam proses persetujuan mengalami perubahan pada saat sertifikat ini masih berlaku, maka produk harus dilakukan persetujuan ulang  
sebelum dapat dipasang dikapal dimana Peraturan atau Standard tersebut berlaku.  
*Should the specified Rules or Standards be amended during the validity of this certificate, the product is to be reapproved prior to it being placed on board vessels to which the amended Rules or Standards apply.*



**Lampiran**  
*Annex to*  
**Sertifikat Persetujuan Desain**  
*Design Approval Certificate*

No. Sertifikat : **00043.20.TP00469**  
*No. of certificate*

No. Persetujuan : 00017DA20  
*Approval no.*

**Deskripsi Produk**  
*Product Description*

1. Reduction Gear for Diesel Propulsion

Model	Reduction Ratio	Speed (RPM)	Power (kW)	Input Torque (N.m)
DMT460HL	3.02	2300	1069.0	4443.0
	3.28		1069.0	4443.0
	3.56		1069.0	4443.0
	4.07		1069.0	4443.0
	4.48		966.0	4012.0
	4.95		883.0	3667.0

2. Approved Drawing No. : 2041010081

**Lingkup Persetujuan**  
*Scope of Approval*

1. The materials for the main components are to be complied with the requirements of the Rules for Machinery Installations (Pt. 1, Vol. III) or to be satisfactory to the surveyor.
2. Materials for the main components are to be certified by BKI or to be satisfactory to the Surveyor.
3. Spare parts are to be supplied in accordance with the Rules applicable to the vessel in which the gearbox is installed.
4. Each gearbox to be supplied to vessels classed by BKI shall be provided with individual product certificate.