

APPROVAL OF NT MBP R290 FOR CONDENSING TEMPERATURES DOWN TO 10°C

1. General

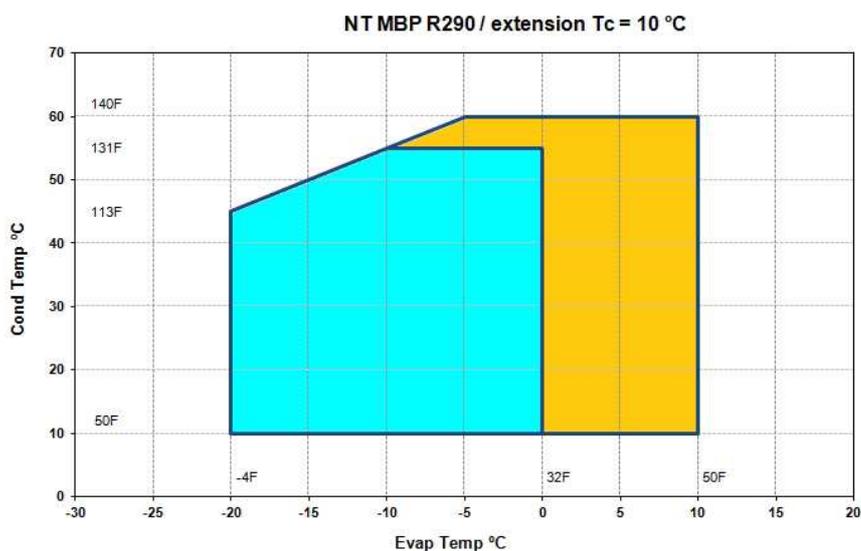
Use of liquid cooled condensers is growing in light commercial segment appliances. To meet this growing requirement, Embraco has verified reliability of compressors belonging to **NT** family designed for **MBP** (Medium Back Pressure), in order to extend its operating envelope for lower condensing temperatures when used with propane refrigerant **R290**.

2. Declaration

To allow reliable use of **NT MBP R290** compressors limited to condensing temperature 10 °C, Embraco had to redesign current mechanical kits of related models. New mechanical kits have new bill of material stated in Table 1 and they are approved for reliable operation inside extended operating envelope limited to **condensing temperature 10 °C**. New datasheets with information of performance will be issued, final performance to be verified on the application. For more information please contact Technical support team.

Table 1

Model	Voltage/Frequency	Current BOM approved down to Tc = +35°C	New BOM approved down to Tc = +10°C
NT6217U	220 – 240V /50Hz	842FA	842FA (no change)
NT6220U	220 – 240V /50Hz	842DA	842NA
NT6222U	220 – 240V /50Hz	842EA	842OA
NT6224U	220 – 240V /50Hz	842CA	842PA
NT6230U	220 – 240V /50Hz	843DA	843DA (no change)
NT6224UV	208 – 230V /60Hz	842KD	842RD



- Ambient 32 °C and return gas 20 °C
- Ambient 32 °C and return gas 20 °C (Transitory period)